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DRAFT Application



FLORIDA'S SPACE COAST



NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way, Building A-219, Viera, FL 32940

**Save Our Indian River Lagoon Citizen Oversight Committee
Volunteer Application**

Due: October 1, 2016

Name: George W. Kenney
Mailing Address: 1842 Laramie Circle
City: Melbourne **State:** FL
Zip Code: 32940
Phone: 321-543-6180 **Cell Phone:** 321-543-6180
Email: Chemistry@IrishmanSoftware.com

Basic Requirements and Duties of Oversight Committee Members

Applicants must commit to serving the public interest by providing stewardship of Lagoon Trust Funds, especially in relation to restoring health to the Indian River Lagoon, and must demonstrate expertise and experience in one or more of the following fields: science, technology, economics/finance, real estate, education/outreach, tourism, or lagoon advocacy. Knowledge of the water quality issues and the major sources of pollution affecting the lagoon are highly desirable.

Members will oversee progress and make recommendations to the Brevard County Board of County Commissioners (BOCC) on spending an estimated \$303 million from sales tax revenue to **Reduce** pollution sources to the lagoon, **Remove** legacy pollution from the lagoon bottom, **Restore** natural systems within the lagoon, and **Respond** to new information by recommending annual amendments to the Save our Indian River Lagoon Project Plan (SOIRLPP). Duties will include participation in meetings to evaluate data to measure progress towards plan implementation and lagoon health, review technology and alternative project proposals for reducing pollutants and improving water quality, assess the cost-effectiveness of the projects, and recommend plan revisions accordingly. The Committee shall address questions, concerns, and ideas from the public to improve the SOIRLPP. Applicants must be willing to ensure that the SOIRLPP reflects the most effective, timely and responsible means to restore the Indian River Lagoon and that the Save Our Indian River Lagoon Trust Fund is managed in the best interest of the public.

Please complete the following questions and statements.

DRAFT Application Form 9/25/20169/20/2016

1. Do you reside in Brevard County? Yes No _____ Number of years 1983 - PRESENT (33 YEARS), minus 2 years living in St Cloud.
2. Are you willing to serve on the Committee for a minimum of two (2) years and be available to attend multiple weekday meetings annually, as needed? Yes No
3. Please check next to one or more of the following that best match(es) your expertise:
 Science Economics/Finance Education/Outreach
 Lagoon Advocacy Technology Real Estate
 Tourism

FOR THE QUESTIONS BELOW, RESPONSES MAY BE UP TO ½ PAGE EACH

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee.

I'm a Chemist. I've lived in this area when we use to catch fish in the lagoon and get fresh clams from Claytons that came from the lagoon. I've seen it go down hill in the past 5 years and want to get it back to somewhere where it use to be.

I was a volunteer for the Marine Research Council for the past year and was very active in helping with the water quality collection and sampling. I've used my chemistry background to look into the techniques used to analyze the water and discuss water quality analysis with some FIT Professors and graduates. Teaching at EFSC, I have access to a number of Biologist, Micro-Biologist, Marine Biologist and other Chemist. On a number of occasions I've discussed local water quality problems. A recent discussion concerned the "Pond" in my backyard (Cross Creek, East Viera) and why is it GREEN!

I'd like to see the lagoon clear again, sea grass on the bottom, abound with fish, oysters and clams and no more stench. As an experienced Chemist with lots of experience and other scientific contacts, I believe I can be an asset to this committee.

5. Please provide a brief overview of your background and experience (education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon.

AA from Union College, Cranford, NJ - my driving force to return what I have learned

BS in Chemistry Philadelphia College of Pharmacy and Science

MS in Organic Chemistry, Wayne State U, Detroit, Mich

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14 Years as an Analytical Chemist for Eastman Kodak in Rochester, NY - there I learned how to analyze multiple types of samples. I was in charge of all of the Technical Aspects of the Spectroscopy Section of Kodak Park. This includes the purchase of equipment, development of chemical analysis procedures and training of others.

20 years working in High Tech Classified Software in the Melbourne Area, including working at Harris on software development for classified communication systems, at Mnemonics and Aeronics also working on software communication systems, At Northrop Grumman developing the Fly-By-Wire-Bus on JSTARS new computer upgrade.

2 Years as a Professor of Chemistry at Valencia Community College teaching college chemistry. This included basic chemistry topics, qualitative and quantitative chemical analysis. I developed several Infrared and Gas Chromatography analysis of the chemical components of various samples including over the counter drugs. I repaired the dead FFT IR that had been sitting unused for several years and included its use in advanced classes.

5- 4+ Years teaching college chemistry at Brevard Community College. I am retired but still teaching at the Melbourne Campus, part time as instructors are needed! I teach General College Chemistry and Organic Chemical Labs. I've developed several new experiments for students to use in measuring various parameters of water samples the students bring in - pH, Chlorine, Dissolved Oxygen, CO2, Nitrate and Phosphate test kits. I've re-authored my Valencia Infrared analysis of the components of drugs and am training the current staff members on the use of this machine.

6. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee?

I live in Viera. I have a water retention pond in my back yard (Cross Creek), it's GREEN. We need to solve this problem. I presently work with the Bayhill HOA volunteering my efforts as a Chemist to help solve problems (such as rust on a side walk, etc).

As a part time instructor at EFSC, Melbourne, I have access to a huge amount of knowledge of MS and PhD Chemist and Biologist and Micro Biologist to help solve problems. Also as an Instructor, I have access to recommending the college start special student run research programs (such as monitoring water samples). The college students can get involved in and the instructors can take an active part in solving the problems - at a very low cost!

For the past year, I was a volunteer at the Marine Research Council to answer the telephone and to answer to help with any chemical analysis they were involved in. I captained a boat on several occasions where students took water and muck samples from the lagoon for analysis.

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In the past, I was a Rescue Pilot with the Merritt Island Civil Air Patrol, flew multiple Search and Rescue missions including several for Hurricane Andrew.

7. Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds.

We need to get the Lagoon back to where it was 20 years ago. We need to stop or halt the current degradation process that it is going through. From here on it's only going to get worst! We need to stop the negative progression then start it going in the positive - clear water with grass and fish - direction. And, in doing so, it must be done in a reasonable financial manner.

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Additional Requirements

In addition to this application, a resume/CV and at least one letter of recommendation are required. The letter of recommendation can be a personal recommendation from a professional in the same field and/or an endorsement by a reputable nonprofit organization.

Letter of recommendation from Scott Herber, Dean of Science, Melbourne Campus, Eastern Florida will be mailed separately. My past resume is attached.

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Send your application, resume, and letter(s) of reference to:
Marie Winkler, Administrative Assistant to the Director
Marie.Winkler@brevardfl.gov
Phone: 321-633-2016, Fax: 321-633-2029

George W.J. Kenney, Jr.

1842 Laramie Circle

Melbourne, Fl, 32940

Irishman @ IrishmanSoftware.com

OBJECTIVE: Volunteer for the Indian River Lagoon Citizen Oversight Committee

CLEARANCE: Former DOD Secret, COMSEC and NATO, SBI, NSA Polygraph

EDUCATION: MS Organic Chemistry, Wayne State University, Detroit, Mich
BS Chemistry, Philadelphia College of Science, Phila, Pa
AAS, Union College, Cranford, NJ

A Chemist by education (AAS, BS, MS) with extensive experience in IR, UV/Vis, Nuclear Magnetic Resonance Spectroscopy (NMR/MRI) and Computer Simulation. Practical commercial analytical laboratory experience applying microprocessor computer technology to synthetic organic and analytical chemistry

HOBBIES: An Advanced certified diver for the past 20 years, instrument rated private pilot, former Civil Air Patrol Rescue pilot, black belt in Marshal Arts (Tae Kwon Do, Tai Chi, Arnis), avid off road bicyclist with over 20,000 miles on a Trek 6000, home repair as owner of several rental houses, and love of surf fishing.

I was a volunteer for the Marine Research Council in Palm Bay for the last year, captained a boat while students took water samples and helped at MRC using my Chemistry Background as appropriate.

PROFESSIONAL SUMMARY: I am retired! I have two years experience as an undergraduate Lab Assistant for various undergraduate chemistry labs. Three years graduate school level teaching Organic Chemistry Q&A Classes and Organic Chemistry Labs for undergraduates. Fourteen years experience as an Analytical Chemist for Eastman Kodak Industrial and Research Labs developing new qualitative and quantitative methods of analysis for film and other commercial products (Kodak needs to know what is in those tubes of epoxy people use). These analysis involved developing new computerized UV, Vis and NMR methodology and sample analysis procedures, education and training of chemical technicians on these procedures.

Taking a break from developing the latest technology Analytical Organic Chemical Analysis, I migrated to Melbourne, Florida in 1983 and into the field of developing computer software for Real Time Embedded Computer Systems for government applications. As a computer guru, I developed systems in FORTRAN, Pascal, PLM, LISP, ADA, C, various assembler languages, VxWorks, C++ and other computer languages. Computer hardware included most Intel products - 87xx, 87196, 8086, 80x88. Motorola processors - 6800, 6809, 680x0, Vx Works, Lab Windows and other development environments. System and Language Experience includes PC's, Sun workstations, IBM, VAX, Alpha and Data General mainframes. The final products included classified systems for the government such as Satellite Command and Control Modems, Satellite Ground Stations, Radio's for the Special Forces, cigarette package sized Crypto Key Control boxes. I was the Northrop Grumman 1553 Bus [Fly-By-Wire box to box communication system] Expert. Experience with interfacing, command and control, timing, sizing, design and implementation of applications, test sets and tools. One year as Project Lead with the M1A2 radio communication simulation experiment for SAIC in Ft Knox.

Past software experience included the design, implementation documentation and maintenance of real-time data collection, processing of embedded systems, radio command, control and data processing, in both assembler and 'C' languages. Experience in project scheduling and tasking from proposal generation, proofing, One Pass Presentation to cost and schedule reporting. Author for Sector Wide Process Description Methodology documents specifying the how to do a job with: FORTRAN, C and Structured Methodology.

Again, taking a break from High Tech Software Engineering, I migrated back to my original field of Chemistry and started teaching Chemistry at the Community College level. I attained Professor of Chemistry at Valencia Community College where I taught general chemistry classes and labs. Using my past electronic experience, I repaired a dead \$50,000 3 year old Fourier Transform Spectrophotometer (FFT IR) that had been sitting on a bench as the others did not know what to do with it. The instrument was then put to use as a drug analysis tool for teaching basic spectroscopy to college students. I authored the purchase of a UV/Vis and Gas Chromatograph and also put these instruments to use teaching basic multicomponent analysis. Deciding to move back to Melbourne, I retired and joined Brevard Community College as a part time Adjunct again teaching College Chemistry. I've taught at the Cocoa, Melbourne and Palm Bay campus's and currently am at Melbourne. Here, I've taught College Chemistry and Organic Chemistry Labs. Volunteering some spare time, I've repaired a Fluorescence Spectrophotometer and convinced Perkin Elmer to repair the attached Liquid Liquid Chromatography unit at no cost to the college. The college now has an operational 30 year old, \$50,000 LLC/Spectrophotometer system operational for use in teaching the analysis of organic and biochemical mixtures. I have authored an operational manual and student lab experiment for drug analysis and general laboratory use for a newly acquired FFT IR at the Melbourne Campus and am working on one for the LLC.

WORK EXPERIENCE:

Brevard Community College / Eastern Florida State College. As a Chemistry Lecturer, I taught College Chemistry lectures and labs similar to those classes taught at Valencia. At the Melbourne Campus, I repaired the electronics in a donated dead Perkin Elmer UV/Vis Fluorescence Detector and convinced Perkin Elmer to rebuild the pump system for a Binary LC Pump at no charge. This unit together makes up a working High Pressure Liquid Liquid Chromatography System (HPLLC) which can be used to identify and quantitatively determine the concentration of certain components in a mixture. I also modified the water analysis experiment I wrote at Valencia and have all the Chem Lab students run it and they also use some of more sophisticated ion determination kits available at the Melbourne Campus (dissolved oxygen, CO₂, Nitrate, Phosphate, etc). These gave some very interesting results such as: Why are there no fish in the pond behind my house? Answer: The student analyzed a pond water sample and found there is no dissolved oxygen and way too much CO₂ in that water.

Valencia Community College. As a Professor of Chemistry I taught College Chemistry lectures and labs. I repaired the electronics in a Perkin Elmer Fourier Transform Infrared Spectrophotometer and justified the purchase of a UV/Vis Spectrophotometer and a Gas Chromatograph. I authored several Laboratory Experiments students could use to understand the operational techniques and instrument analysis capabilities for this equipment. I introduced the analysis of water samples that students would bring into class using a swimming pool test kit some of the results of which were quite unexpected. Bottled water had a pH of 4.5, almost as acid as vinegar.

Northrop Grumman. I was hired by NG to become their in-house Expert on the JSTAR's 1553, Fly By Wire Bus to support the upgrading of the on board computers. I have documented, sized, bid, defended and started work on CNS/ATM – the replacement of radio's and pilot's instruments with glass panel displays for the Joint STARS Boeing 707 radar equipped airplane. I was responsible for all of the 1553 Bus software on the Joint STARS airplane during the upgrade from the 4 computer VAX to the 1 computer Alpha / VME Chassis system. I designed; implemented and developed 1553 Bus based test sets for addition of a Telephonics DBI Interface, SATCOM radio's and many other modifications to the current airplane and laboratory systems. I was responsible for the scoping, costing many proposal efforts for upgrades to the Joint Stars airplane.

SAIC. As a Senior Systems / Software Engineer, I developed upgrades for an ADA based War Game Simulation System (MODSAF). The upgrades to the simulation experiment involved the hardware integration and software development of multi-processor (UNIX, DOS, etc) LAN networked manned simulated M1A2 tank warfare system. I was the Project Lead for an M1A2 radio simulation add on experiment in Ft Knox.

Mnemonics and Aeronix, Inc. As a Senior Software Engineer with an SBI, I designed and implemented a system test fixture (2 racks) for the MATT program (a "special" radio) based on a serial networked interrupt driven three PC based system. It included a Lab Windows HCI PC and two PC's configured to handle 15 megabytes of real-time transmitted / collected data (broke the PC 640k barrier). A real-time multi-tasking application software and test facility was developed for a MATT 196 based I/O processor card. I developed software for a production card programming and test fixture based on 2 networked PC's, it is capable of testing most of the active components on the SEME production cards. I also developed the SNOOPY software which contained over 10,000 lines of 'C' code. It was a multi-486 bus monitoring system for the collection and display of 250,000 - 128 bit wide computer bus cycles. Other software projects developed included a 'C' programmed interrupt driven 80188 imbedded LAN and BERT monitoring system mounted as a slave cards in a PC.

Harris Corp. I obtained my security clearances and worked on several ground based communication systems.

Eastman Kodak Co. At the Eastman Kodak Laboratories, I was responsible for all of the computer systems applications development pertaining to synthetic organic and analytical chemistry, a Computer Chemist! In the Kodak Industrial Laboratory I developed a highly accurate multi-component mixture analysis system based on the computerized analysis of the spectrum of the mixture with those of the components. I was responsible for the upgrade and use of the Kodak Interactive Infrared Search System allowing the on-line search of over 250,000 IR curves. In the Kodak Research Labs, I designed and implemented a device independent software graphics system for the "Kodak Computer" - a SBC based upon a Motorola 6800/6809 microprocessor. For several years, I was responsible for the interconnection and software support of the individual laboratories instrumentation and computers into an IBM Series 1 multiplexing system into an IBM Mainframe. I was responsible for the implementing of several computerized methods and improvements to the analytical chemical analysis of the company's products and methods of producing them.



Dear Marie Winkler,

I am pleased to be writing this letter of recommendation on behalf of George Kenney. I have known Mr. Kenney professionally for many years and I directly supervise him at Eastern Florida State College. He is one of the most professional and dedicated individuals I have had the pleasure of working with. He has never been afraid to volunteer and help progress this institution to become larger and more successful. Mr. Kenney has a network of scientific skills that can be extremely contributory to any institution or committee that he is a part of.

He brings an extensive amount of experience and this diversity reflects into the classroom, creating unique learning environments for his students. He is able to bring in a multitude of different perspectives which encourages broad thinking and "out of the box" conceptualization from his students, often reserved for graduated level education. His students are extremely motivated and he helps them focus on career paths. This alone is a testament to his dedication and instructional skills. He is very dedicated to Brevard county and its natural resources. He is constantly looking for and discussing solutions to the myriad of environmental impacts that have occurred here over the last many years with hopes of finding sound resolutions.

It is in my professional opinion that Mr. Kenney is well deserving of serving on your committee and it should be granted without hesitation.

Should you request any additional information please do not hesitate to contact me.

Respectfully,

Scott A. Hisber, M.S., C.E.
 Assistant Professor
 Chair of the Academic Affairs Council
 Chair of the Melbourne Campus Science Department
 X5742

President
 James H. Richey, J.D.

Board of Trustees

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 Moses Harvin, Sr.

District Administration

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 Cocoa, Florida 32922
 321/632-1111
 Fax: 321/433-7065

Cocoa Campus

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 Cocoa, Florida 32922
 321/632-1111
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Melbourne Campus

3865 N. Wickham Road
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 Fax: 321/433-5770

Palm Bay Campus

250 Community College Pkwy.
 Palm Bay, Florida 32909
 321/632-1111
 Fax: 321/433-5325

Titusville Campus

1311 North U.S. 1
 Titusville, Florida 32796
 321/632-1111
 Fax: 321/433-5115



NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way, Building A-219, Viera, FL 32940

**Save Our Indian River Lagoon Citizen Oversight Committee
Volunteer Application**

Due: October 1, 2016

Name: William W. Kerr

Mailing Address: 225 Fifth Ave., Suite 2

City: Indianalantic State: Florida

Zip Code: 32903

Phone: 321-951-7964 **Cell Phone:** 321-288-2184

Email: bki@cfl.rr.com

Home: 323 Marilyn Place

Melbourne Beach, Florida 32951

Home Phone: 321-724-2406

Basic Requirements and Duties of Oversight Committee Members

Applicants must commit to serving the public interest by providing stewardship of Lagoon Trust Funds, especially in relation to restoring health to the Indian River Lagoon, and must demonstrate expertise and experience in one or more of the following fields: science, technology, economics/finance, real estate, education/outreach, tourism, or lagoon advocacy. Knowledge of the water quality issues and the major sources of pollution affecting the lagoon are highly desirable.

Members will oversee progress and make recommendations to the Brevard County Board of County Commissioners (BOCC) on spending an estimated \$303 million from sales tax revenue to **Reduce** pollution sources to the lagoon, **Remove** legacy pollution from the lagoon bottom, **Restore** natural systems within the lagoon, and **Respond** to new information by recommending annual amendments to the Save our Indian River Lagoon Project Plan (SOIRLPP). Duties will include participation in meetings to evaluate data to measure progress towards plan implementation and lagoon health, review technology and alternative project proposals for reducing pollutants and improving water quality, assess the cost-effectiveness of the projects, and recommend plan revisions accordingly. The Committee shall address questions, concerns, and ideas from the public to improve the SOIRLPP. Applicants must be willing to ensure that the SOIRLPP reflects the most effective, timely and responsible means to restore the Indian River Lagoon and that the Save Our Indian River Lagoon Trust Fund is managed in the best interest of the public.

Please complete the following questions and statements.

1. Do you reside in Brevard County? Yes No

Number of years _____ 50__

2. Are you willing to serve on the Committee for a minimum of two (2) years and be available to attend multiple weekday meetings annually, as needed? Yes No

3. Please check next to one or more of the following that best match(es) your expertise:

Science

Economics/Finance

Education/Outreach

Lagoon Advocacy

Technology

Real Estate

Tourism

FOR THE QUESTIONS BELOW, RESPONSES MAY BE UP TO ½ PAGE EACH

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee. I am an ecologist. I was on the original committee for Indian River Lagoon National Estuary Program (IRL-NEP) that established the Comprehensive Conservation Management Plan (CCMP). My great grandfather and his family moved to the Melbourne area in 1927 and we have been here ever since. My oldest son and his family live here also. I want to help assure that the IRL will be the resource and economic engine it is today in the future. I want be a part of restoring the water quality and health of the IRL using the best science and technology available.
5. Please provide a brief overview of your background and experience (education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon. Please see my attached resume.
6. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee? Over the years I have served on several committees and boards that required providing direction and decisions for local, state and federal programs. I was intimately involved in the CCMP process which was developed by consensus not by vote. Most recently I served on the committee that formed the Indian River Lagoon Council from the IRL-NEP. I sit on the Indian River Lagoon Council's Management Committee. This has allowed me to develop the listening skills, analytical skills and judgement to help assure that SOIRLLP group comes to the best decisions by consensus using the best available data, science and technology.

7. Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds. Committee members must evaluate the benefit of the plan or program and dollars spent for the benefit of the Indian River Lagoon and the associated public. Personal gain has no place in public decision making. Conflicts real or perceived are an impediment to public acceptance of any decision and must be avoided or an individual must declare the conflict and remove themselves from the discussion.

Additional Requirements

In addition to this application, a resume/CV and at least one letter of recommendation are required. The letter of recommendation can be a personal recommendation from a professional in the same field and/or an endorsement by a reputable nonprofit organization.

Send your application, resume, and letter(s) of reference to:

Marie Winkler, Administrative Assistant to the Director

Marie.Winkler@brevardfl.gov

Phone: 321-633-2016, Fax: 321-633-2029

WILLIAM W. KERR

President/Owner

BKI, INC. - Consulting Ecologists 225 Fifth Avenue, Suite 2, Indialantic, FL 32903-3163

Education: B.S. Biology, 1975, Stetson University

Professional Affiliations: Florida Wildlife Association
Florida Wildlife Federation
National Wildlife Federation
International Wildlife Federation
Marine Resources Council of East Central Florida
Ecological Society of America
Estuaries Research Federation
National Association of Environmental Professionals

Gubernatorial Appointments: East Central Florida Regional Planning Council (1985-1989)
St. Johns River Water Management District (1999-2008)
Governing Board - elected Chairman November 1999-2001

Federal Appointments: Chairman, Citizens Action Committee – Indian River Lagoon National Estuary Program
National Citizens Chair – Association of National Estuary Programs

County Appointments: Chairman, Citizens Ad-Hoc Committee- Mitigation land banking and critical habitat ordinance

Mr. Kerr is President and owner of BKI, Inc. - Consulting Ecologists. In this capacity, he oversees all aspects of the corporation. Mr. Kerr has been a practicing ecologist in the State of Florida for thirty (30) years. This experience has given him a close working relationship with local, state, and federal agencies such as the environmental staffs of a twenty-nine (29) county area in Florida including: Alachua, Brevard, Broward, Charlotte, Collier, Desoto, Duval, Flagler, Glades, Hardee, Hendry, Highlands, Indian River, Lake, Lee, Levy, Marion, Martin, Miami-Dade, Okeechobee, Orange, Osceola, Palm Beach, Putnam, Seminole, St. Johns, St. Lucie, Union, and Volusia. He also has experience with: South Florida Water Management District, St. Johns River Water Management District, Southwest Florida Water Management District, Suwannee River Water Management District, Florida Fish and Wildlife Conservation Commission, the Florida Department of Environmental Protection, U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service, and the U.S. Army Corps of Engineers in wetland assessment, wetland permitting, wetland mitigation (both on-site and off-site), wetland mitigation design, mitigation banking, conservation banking, water sampling and analysis, endangered species assessments, gopher tortoise relocation and identification of commensal species, mitigation for endangered species impacts, seagrass assessments, habitat management, and federal, state and private conservation easement and grant processes. His experience includes project coordination, environmental planning and design, wetland monitoring and maintenance, wetland mitigation construction and planting, land management, Habitat Conservation Plans, endangered species relocation, and hazardous waste assessments.

Mr. Kerr is recognized as a designated expert in environmental permitting by the federal courts and a designated expert in environmental permitting and endangered species by Florida state courts.

EXPERIENCE IN SIMILAR PROJECTS

Southern Farms - Highlands County ($\pm 7,000$ acres): Environmental survey for the Florida grasshopper sparrow and the Florida panther; delineation of wetland systems and wetlands; coordination with jurisdictional agencies for verification; wetland mitigation design; monitoring of wetland mitigation areas.

Hilliard Citrus - Hendry County ($\pm 15,000$ acres): Preliminary environmental assessment; delineation of wetland systems and isolated wetlands; coordination with jurisdictional agencies for verification; Florida panther habitat assessment; bald eagle survey; wetland mitigation design.

Strazzula Brothers - St. Lucie County ($\pm 6,000$ acres): Preliminary environmental assessment; delineation of wetland systems and wetlands; coordination with jurisdictional agencies for verification; preliminary wetland mitigation design.

Allapattah Properties Partnership - Martin County ($\pm 25,000$ acres): Preliminary environmental assessment; wetland systems and wetland delineation; coordination with jurisdictional agencies for verification; observation of wetland impact restoration; monitoring of wetland restoration and environmental resource permitting.

Florida Department of Transportation - Orange and Brevard Counties ($\pm 9,600$ acres): Restoration of $\pm 9,600$ acres of the flood plain of the St. Johns River; wetland restoration design; wetland monitoring; coordination with jurisdictional agencies for approval of restoration.

Pine Groves - Indian River County ($\pm 5,000$ acres): Environmental assessment of project including delineation of wetland systems and wetlands, coordination with jurisdictional agencies for verification and permitting; wetland mitigation design, environmental assessment of project impacts to the Florida scrub-jay and the gopher tortoise.

Goodno Panther Conservation Bank – Hendry County ($\pm 10,000$ acres): Environmental assessment, project design and permitting with the U.S. Fish and Wildlife Service, including panther habitat assessment and habitat enhancement design.

Mary A Mitigation Bank – Brevard County ($\pm 2,100$ acres): Wildlife habitat and wetland assessment, including verification by jurisdictional agencies. Design of project restoration, supervision of restoration construction. Application for and coordination of permitting and design with St. Johns River Water Management District and the U.S. Army Corps of Engineers.

Corrigan Ranch Wetland Mitigation Bank – Indian River County ($\pm 5,700$ acres): Environmental assessment, environmental enhancement design, project permitting with St. Johns River Water Management District and U.S. Army Corps of Engineers.

Henscratch Ranch - Highlands County ($\pm 3,000$): Environmental assessment for wetlands, uplands and endangered species; work with State of Florida and South Florida Water Management District for acquisition of a Conservation Easement; coordination with the Natural Resource Conservation Service for a Farmland Protection grant.

Winkler, Marie

From: ihdean47@gmail.com
Sent: Friday, September 30, 2016 4:20 PM
To: Winkler, Marie
Subject: Recommendation for Bill Kerr

Dear Ms. Winkler,

I have known Bill Kerr for over thirty years. In fact I also knew and worked with his father. Bill is an ecologist who is President of his own company, BKI, Inc. Consulting Ecologists in Indialantic, Florida. He is very familiar with the water quality, water quantity and endangered species issues of the State of Florida and more specifically the St Johns River and the Indian River Lagoon. He has owned and operated successful engineering and environmental companies for over thirty years. Additionally he has served on the following local, State and Federal Committees responsible for providing guidance and direction for enhancing both the St Johns River and the Indian River Lagoon:

East Central Florida Regional Planning Council 1985 to 1989

St Johns River Water Management District 1999 to 2008

Chairman, Citizens Action Committee- IRL NEP

National Citizens Chair- Association of NEP's

Chairman- Citizens Ad Hoc Committee- Mitigation Banking and Critical Habitat Ordinance for Brevard County

Mr. Kerr was a Governing Board Member of the SJRWMD when I served as the Executive Director. Mr. Kerr was one of the most knowledgeable and effective Members during my seventeen year tenure at the District.

More recently Bill and I worked together to assist in the transition of the IRL NEP to the IRL Council. Bill served on the Committee that established the format and chaired the Committee that made the final recommendations.

Mr. Kerr understands regional and local issues regarding water quality and quantity improvements and balancing the needs of a growing population. He understands the ecology of the IRL and has the background and experience to assure the recommendations of the Oversight Committee will be beneficial to restoring and enhancing the IRL.

Mr. Kerr also possesses the maturity and temperament to get things done. In short he knows how to disagree without being disagreeable. I strongly recommend Bill Kerr for appointment to the Oversight Committee.

Sincerely, Henry Dean
Executive Director SJRWMD 1984-2001
Executive Director SFWMD 2001-2005

Sent from [Mail](#) for Windows 10

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NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way, Building A-219, Viera, FL 32940



**Save Our Indian River Lagoon Citizen Oversight Committee
Volunteer Application**

Due: October 1, 2016

Name: William R. Klein.
Mailing Address: 3 Indian River Ave #906.
City: Titusville. State: FL.
Zip Code: 32796.
Phone: 321-607-6517. Cell Phone: N/A.
Email: klein_william_r@hotmail.com.

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Applicants must commit to serving the public interest by providing stewardship of Lagoon Trust Funds, especially in relation to restoring health to the Indian River Lagoon, and must demonstrate expertise and experience in one or more of the following fields: science, technology, economics/finance, real estate, education/outreach, tourism, or lagoon advocacy. Knowledge of the water quality issues and the major sources of pollution affecting the lagoon are highly desirable.

Members will oversee progress and make recommendations to the Brevard County Board of County Commissioners (BOCC) on spending an estimated \$303 million from sales tax revenue to **Reduce** pollution sources to the lagoon, **Remove** legacy pollution from the lagoon bottom, **Restore** natural systems within the lagoon, and **Respond** to new information by recommending annual amendments to the Save our Indian River Lagoon Project Plan (SOIRLPP). Duties will include participation in meetings to evaluate data to measure progress towards plan implementation and lagoon health, review technology and alternative project proposals for

reducing pollutants and improving water quality, assess the cost-effectiveness of the projects, and recommend plan revisions accordingly. The Committee shall address questions, concerns, and ideas from the public to improve the SOIRLPP. Applicants must be willing to ensure that the SOIRLPP reflects the most effective, timely and responsible means to restore the Indian River Lagoon and that the Save Our Indian River Lagoon Trust Fund is managed in the best interest of the public.

Please complete the following questions and statements.

1. Do you reside in Brevard County? Yes X No Number of years 6 yr

2. Are you willing to serve on the Committee for a minimum of two (2) years and be available to attend multiple weekday meetings annually, as needed?

Yes. I travel about each month for 1 or 2 weeks. I can not commit to attending each meeting unless I am home. I am willing to offer assistance, reviews, comments, and suggest new programs and studies that will help the lagoon. I can collect data and analyze data.

3. Please check next to one or more of the following that best match(es) your expertise:

X Science Economics/Finance Education/Outreach

X Lagoon Advocacy X Technology Real Estate Tourism

FOR THE QUESTIONS BELOW, RESPONSES MAY BE UP TO ½ PAGE EACH

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee.

In 1947 I was given a year to live because of my lungs and the polluted air in Detroit. My parents were told to move to a beach in Florida for my health. I grew up in Florida before the great environmental damage of over development without proper mitigation of environmental damage, when there was an abundance of fish, crabs, oysters, and clams. There were many springs with drinkable water. The beaches and lagoons were were clean and safe to swim in.

5. Please provide a brief overview of your background and experience (education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon.

I have a BSEE from Georgia Tech and MS of Nuclear Engineering from Georgia Tech. I studied under an Radiological Health Traineeship. It was a program started during the Cold War for environmental protection after a nuclear attack. I worked on Environmental Impact Reports and Annual Environmental Reports and radiation monitoring for Nuclear Power Plants. I also worked in the West Palm Beach Water Treatment Facility where we had a large wetland designed as a final filter of grey water from the sewage treatment. I volunteer at Merritt Island National

Wildlife Refuge, Cape Canaveral National Park, Brevard Parks and Recreation, Marine Resource Center, Marine Discovery Center, KBB, and several other organizations. Mostly on shoreline restoration, oyster reefs, planting Florida Native plants, exotic invasive plant removal, sea turtles, and Scrub Jays.

6. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee? I have served on the IEEE Joint Committee on Nuclear Plant Standards. Worked on passing the Fertilizer Ordinance in Titusville. I have worked with church groups, Boy Scouts, Girl Scouts, Habitat for Humanity, and many other organizations. I have been a committee member, Vice President, and President in several organizations.

7. Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds. I have no business or political interests in Brevard County. My sole desire is to help cleanup the IRL and restore the sea grasses, mangroves, fish, oysters, and clams. I would like to see it like it was before all the Development in Brevard. I want to see shoreline and wetland restoration. I want to see retention ponds cleaned by floating islands of plants and littoral planting instead of chemicals and herbicides.

Additional Requirements

In addition to this application, a resume/CV and at least one letter of recommendation are required. The letter of recommendation can be a personal recommendation from a professional in the same field and/or an endorsement by a reputable nonprofit organization.

I am in Massachusetts and can not talk with someone about a letter of recommendation until I get home on Oct 8. I worked with Lorraine Guise on the Fertilizer Ordinance, however she is quite sick and I do not want to ask her for favors. I can ask Mayor Tulley, of former Vice Mayor Martha Long. I can also ask MDC, CCNS, MINWR, and several other people when I return.

Since I travel a lot I may not be able to attend many meetings, so I may not be a good candidate for a Oversight Committee Member. However I would like to be an advisor and volunteer worker. I would like to make measurements and tests in the Titusville area. I would like to develop on a greatly retention pond design and maintenance using plants to remove nutrients and other pollutants, similar to the wetlands used at water treatment plants. I would also like to work on shoreline restoration and oyster bed renewal.

Send your application, resume, and letter(s) of reference to:

Marie Winkler, Administrative Assistant to the Director

Marie.Winkler@brevardfl.gov

DRAFT Application Form 9/30/2016

Phone: 321-633-2016, Fax: 321-633-2029

''

William R. Klein

3 Indian River Ave. Unit 906; Titusville, FL 32796
klein_william_r@hotmail.com; (321) 607-6517

EXPERIENCE

Engineer with over 30 years experience in the design, construction, startup, modification, licensing, and operations of power plants. Worked on COLA for ESBWR, I&C design, Y2K embedded systems, I&C setpoint calculations, safety evaluations, design basis reviews, degraded and nonconforming reviews, operability reviews, control room design, reactor physics, radiation monitoring, nuclear fuel design, nuclear regulatory licensing, human factors engineering, environmental monitoring, equipment testing, security systems, quality improvement, and contract negotiations. Served as a Representative on IEEE and ANSI standards committees for over 11 years.

Research and testing experience includes research projects involving radioisotopes, health physics, biological, medical, and nuclear at Georgia Tech and Argonne National Laboratory. Testing experience includes instrumentation, radioisotopes, health physics, automotive, environmental, and weapons at Aberdeen Proving Ground.

Sales experience includes 3 years engineering customer service representative.

Teaching experience includes teaching Physics and AP Calculus.

Certified Human Factors Engineering Professional.

Certified Microsoft Office Specialist Master having demonstrated expertise in Word, Excel, Access, and Power Point.

JOB HISTORY

Bechtel
Senior I&C Engineer

12/2008 – 1/14/2010

Performed Human Factor Engineering reviews for Control Room modifications using NUREG-0700 as the guidance manual.

Developed Plant Change and Modification packages for the Extended Power Uprate for St. Lucie Nuclear Plant.

Performed 50.59 reviews for Plant Change and Modification packages.

Progress Energy
Senior Licensing Engineer

4/2008 – 6/2008

Reviewed the capabilities of RCS leak detection systems, developed a strategy to eliminate the Tech Spec requirement of detecting RCS leak using the Containment gas monitor, and prepared a new Tech Spec.

Assisted in developing the root cause of Containment Spray Additive System Eductor test flow being outside of Tech Spec Limits, suggested a resolution to the problem, and prepared an LER .

Prepared LER on unescorted access improperly granted to contract employee

Score at the Top
Tutor

12/2003 – 4/2008

Taught AP Calculus

Tutor Physics, Algebra, pre-Calculus, and Calculus Statistics

The Sage Group 9/2007 -11/2007
Instructor
Taught a Basic Electricity course to AT&T technicians for the Sage Group

General Electric 6/2006 – 6/2007
Principal DCIS Engineer
Wrote the Human System Interface Design Plan for the ESBWR.
Developed the conceptual design for the control room.
Developed Technical Specifications for the GE ESBWR.
Answered Requests for Additional Information (RAI) from the NRC.
Worked on NRC audit on the ESBWR HFE program.
Developed criteria to use virtual reality in designing the control room.
Developed criteria for an intelligent alarm system using AI.
Developed criteria for computerized operating procedures.

Sargent and Lundy 7/2005 – 10/2005
Senior Engineer
Worked on the design of the Distributed Control System for the Emergency Response Data Acquisition and Display System and Digital Data Processing System.
Worked on the modifications to the Auxiliary Feedwater System and Intake Cooling Water System.

Palm Beach Community College 11/2002 – 6/2006
Professor
Teach Physics, Physics Laboratory, and Physical Science
Tutor Physics, General Math, Algebra, pre-Calculus, Calculus and Statistics

School District of Palm Beach County 11/2003 - 6/2006
Teacher
Substitute taught several math classes
Letters of eligibility to teach High School Math and Physics from the State of Florida and Palm Beach County

Keller Williams Realty 8/2004 – 3/2005
Realtor
Write and negotiate contracts to purchase real estate.
Arrange and review home inspections.

Coldwell Banker 9/2000 – 8/2004
Realtor
Write and negotiate contracts to purchase real estate.
Arrange and review home inspections.

Engineering Contractor 1/1996 – 8/2000
I&C Engineer and Nuclear Engineer
Millstone Nuclear Power Plant, worked as a Project Engineer and an Auditor.
Crystal River Plant, worked as a Senior Nuclear I&C Engineer.
Commonwealth Edison, worked as a Senior Nuclear I&C Engineer
San Onofre Nuclear Power Plant, worked as an I&C SetPoint Calculations Engineer.
Clinton Nuclear Power Plant, worked as a Lead Engineer.
D. C. Cook Nuclear Power Plant, worked as a Software Applications Engineer.
Vermont Nuclear Power Plant, worked as an I&C Design Engineer.

The following details the contracts mentioned above.

**RCM Technology - Vermont Yankee Corp
I&C Design Engineer**

(2/2000 – 8/2000)

- 1 Performed I&C setpoint calculations.
- 2 Interpreted and analyzed FSAR requirements, industry codes, and standards for the I&C Dept.
- 3 Performed technical reviews of plant systems and components.
- 4 Performed I&C Department Self Assessments.

**BCP Engineering - Northeast Utilities-Millstone Plant
Technical Specialist**

(10/1999 - 10/1999)

- 1 Performed the Nuclear Oversight Audit of Reactor Engineering at Millstone Nuclear Plant.

**Chapdelaine Assoc. - American Electric Power - D. C. Cook Plant
Software Applications Engineer**

(1/1999 – 6/1999)

- 1 Developed and performed Y2K Tests of Applications Software.
- 2 Supervised and performed hardware tests of computer systems for Y2K.
- 3 Performed Walkdown reviews of embedded systems for Y2K.
- 4 Wrote Condition Reports and developed resolutions to correct Y2K deficiencies.

**Sun Technical Services - Illinois Power - Clinton Plant
Y2K Lead Engineer**

(8/1998 - 12/1998)

- 1 Worked on Y2K embedded system concerns on several computer systems.
- 2 Worked on the Security computer system upgrade.
- 3 Worked on fiber optic communications from the control room computer to the EOF.

**Sun Technical Services - Southern California Edison - San Onofre Plant
SetPoint Calculations Engineer**

(2/1998 -8/1998)

- 1 Performed instrumentation and control setpoint calculations.
- 2 Developed instrumentation requirements to support the reduction of the Reactor Coolant Temperature project.
- 3 Resolved several instrumentation and control Condition Reports.

**Estes Group - Commonwealth Edison
Senior Nuclear I&C Engineer**

(1/1998 - 2/1998)

- 1 Reviewed Section 7 of the Dresden, Byron, Braidwood, and Quad Cities FSARs and wrote commitments to update these FSARs.
- 2 Performed Design Basis Reviews for the DBD documents.

Sun Technical Services - Florida Power Corp - Crystal River Plant
Senior Nuclear I&C Engineer

(11/1996 - 12/1997)

- 1 Completed 50.59 Training and performed 50.59 reviews for the I&C Department.
- 2 Worked on resolving Degraded and Nonconforming conditions (Generic Letter 91-18).
- 3 Worked on I&C setpoint calculations. Revised sections of the FSAR, Tech Specs, and plant procedures affected by these calculations.
- 4 Worked on tank volume calculations. Revised sections of the FSAR, Tech Specs, and plant procedures affected by these calculations.

RCM Technology - Northeast Utilities - Millstone Plant
Project Engineer

(6/1996 - 11/1996)

- 1 Performed 50.54(f) design basis reviews for Millstone units 1, 2, & 3.
- 2 Revised operating and maintenance procedures.

Florida Power and Light
Senior I&C Engineer

2/1983 - 12/1995

Managed cross functional teams in the resolution of over 1700 human engineering discrepancies and wrote the Licensing Report for submittal to the NRC.
Designed a computer driven control room video display, utilizing fiber optics for data transmission.
Redesigned the reactor vessel leak detection, containment building atmosphere monitoring, and the Steam Jet Air Ejector effluent radiation monitoring systems.
Worked on I&C design, safety evaluations, design basis reviews, operability reviews, control room design, and radiation monitoring

Florida Power Corp
Senior I&C Engineer, Reactor Engineer, and Senior Nuclear Licensing Engineer

9/1975 - 2/1983

Managed and directed teams to receive fuel, load fuel, and perform startup physics testing. The initial fuel loading time was reduced to 95 hours from an average of 126 hours.
Developed and wrote reactivity balance computer programs to predict critical control rod position and critical Boron concentration.
Developed a computerized fuel management system for the nuclear fuel.
Responsible for the Plant Computer, nuclear instrumentation, and radiation monitors.
Responsible for Licensing the power level increase of Crystal River Nuclear Plant.

Babcock and Wilcox
Principle I&C Engineer (AEC L Clearance)

8/1972 - 9/1975

Worked on I&C Licensing for three utilities during the licensing of their nuclear power plants.
Developed Reactor Protection System, Engineered Safety Features Actuation System, and failed fuel detection for several utilities.
Developed the process control, quality control, safeguards, and accountability criteria for a computer based remote controlled (UO2 - PUO2) fuel fabrication facility.

Baltimore Gas and Electric
Engineer

4/1968 - 8/1972

Designed and specified safety systems, reactor protection systems, engineered safety actuation systems, radiation monitoring systems, control room consoles and television monitoring systems.
Designed the human factors design of the main nuclear control room.
Designed the Radiation Monitoring Laboratory at Calvert Cliffs.
Research liaison engineer to local Universities in Maryland and Pennsylvania for academic awards.

Argonne National Laboratory
Student Associate

6/1966 - 9/1966

Design of a Safety Control System for a Polarized-Ion Source.
Design of a tube creep and rupture measuring system for operation in a liquid Sodium and Potassium reactor.

Designed a test system to study transient elements created in a liquid test chamber of a 2 Mev-pulsed Electron & X-ray generator.
Studied mass transfer from a rotating sphere.

Georgia Institute of Technology

9/1965 – 6/1967

NDEA Fellowship / Radiological Health Traineeship

Worked on several radiological nuclear activation projects, radioisotope projects, and tracer study projects involving biological and medical uses at Georgia Tech.
Developed the 2-Dimensional design of the Georgia Tech Research Reactor to increase the power level from 1 MW to 5 MW.

Aberdeen Proving Ground, Md. (US Army ; Civil Service ; GS-5 ; \$5000/yr)

4/1960 – 6/1964

Co-op Student (Secret Clearance)

Worked on two test projects and published a test report for each.
Worked in a Radiological Laboratory and an Instrumentation Laboratory.
Worked in environmental testing of vehicles, weapons, and instrumentation.

NATIONAL COMMITTEE WORK

IEEE NPEC SC-7 Human Factors and Control Facilities (1985-2004)
IEEE Nuclear Power Engineering Committee (1969-2000)
ANSI Joint Subcommittee N13/42 (1972-1975)

EDUCATION

MS Nuclear Engineering, Georgia Institute of Technology
BS Electrical Engineering (Co-op), Georgia Institute of Technology

CERTIFICATIONS

Microsoft Office Specialist Master Word, Excel, Access, Power Point
Human Factors Engineering Professional



NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way, Building A-219, Viera, FL 32940

**Save Our Indian River Lagoon Citizen Oversight Committee
Volunteer Application**

Due: October 1, 2016

Name: Lorraine L. Koss
Mailing Address: 2115 N. Indian River Drive
City: Cocoa **State:** Florida
Zip Code: 32922
Phone: Click here to enter text. **Cell Phone:** 703-201-8811
Email: Lorraine.koss@gmail.com

Basic Requirements and Duties of Oversight Committee Members

Applicants must commit to serving the public interest by providing stewardship of Lagoon Trust Funds, especially in relation to restoring health to the Indian River Lagoon, and must demonstrate expertise and experience in one or more of the following fields: science, technology, economics/finance, real estate, education/outreach, tourism, or lagoon advocacy. Knowledge of the water quality issues and the major sources of pollution affecting the lagoon are highly desirable.

Members will oversee progress and make recommendations to the Brevard County Board of County Commissioners (BOCC) on spending an estimated \$303 million from sales tax revenue to **Reduce** pollution sources to the lagoon, **Remove** legacy pollution from the lagoon bottom, **Restore** natural systems within the lagoon, and **Respond** to new information by recommending annual amendments to the Save our Indian River Lagoon Project Plan (SOIRLPP). Duties will include participation in meetings to evaluate data to measure progress towards plan implementation and lagoon health, review technology and alternative project proposals for reducing pollutants and improving water quality, assess the cost-effectiveness of the projects, and recommend plan revisions accordingly. The Committee shall address questions, concerns, and ideas from the public to improve the SOIRLPP. Applicants must be willing to ensure that the SOIRLPP reflects the most effective, timely and responsible means to restore the Indian River Lagoon and that the Save Our Indian River Lagoon Trust Fund is managed in the best interest of the public.

Please complete the following questions and statements.

1. Do you reside in Brevard County? Yes No Number of years 5

2. Are you willing to serve on the Committee for a minimum of two (2) years and be available to attend multiple weekday meetings annually, as needed? Yes No

3. Please check next to one or more of the following that best match(es) your expertise:

Science Economics/Finance Education/Outreach

Lagoon Advocacy Technology Real Estate Tourism

FOR THE QUESTIONS BELOW, RESPONSES MAY BE UP TO ½ PAGE EACH

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee.

See attachments for responses to questions 4-7.

5. Please provide a brief overview of your background and experience (education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon.

6. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee?

7. Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds.

Additional Requirements

In addition to this application, a resume/CV and at least one letter of recommendation are required. The letter of recommendation can be a personal recommendation from a professional in the same field and/or an endorsement by a reputable nonprofit organization.

Send your application, resume, and letter(s) of reference to:

Marie Winkler, Administrative Assistant to the Director

Marie.Winkler@brevardfl.gov

Phone: 321-633-2016, Fax: 321-633-2029

Lorraine L. Koss

Save Our Indian River Lagoon Citizen Oversight Committee

Volunteer Application

ATTACHMENT – Responses to Questions 4-7.

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee.

As a "Neighbor of the Lagoon," enjoying its vistas, walking its shores, I feel a responsibility to assist to the best of my ability in its restoration. I want to apply my academic training and experience in water quality issues with my energy and talents in communication and consensus building to serve oversight that insures the long term success of the plan for the Lagoon's recovery.

5. Please provide a brief overview of your background and experience (education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon.

I bring a 25-year background tackling water quality and quantity issues. Through my work at the municipal and national level I've been exposed to a broad scope of problems as well as management approaches and solutions. This includes shifting the paradigm within the water sector toward green infrastructure that complements grey. I've had the opportunity to sit at the cutting edge of new technologies and approaches.

My graduate work in environmental management has prepared me with tools in environmental valuation, risk management and decision analysis. It's also disciplined me to use a triple bottom line approach taking into account economic, environmental and social factors. My undergraduate in communications has been valuable as public information, outreach and involvement are key to all water issues. This is particularly true of the Lagoon where we will need to maintain public support and actions to serve restoration.

More recently, I've worked with the Marine Resources Council to raise funds on a volunteer basis. Per consultant agreement, I've written a communications and business plan to promote the upcoming IRL Report Card planned for 2018. The four-month writing process (concluded in August) involved researching the history of the Lagoon, as well as the community response in meeting the challenges. I learned a great deal through interviews and research. The Report Card is meant to be a science-based analysis that will be another communications tool to build citizen understanding of our progress and needs going forward. Having lived in the Chesapeake watershed for many years I was eager to take on this project. I knew first-hand how an annual report developed public understanding and commitment over the long haul.

6. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee?

Much of my communications work in the water environment has been in partnership building. Early on I did work at the municipal level to shift the paradigm toward the watershed approach that is commonly used today. I organized environmental educators from formal and informal education organizations to amplify more unified messages for effectiveness. I coordinated and worked with the Value of Water Coalition to establish systems of trust through values statements and decision protocols. That coalition is still in operation today.

In 2014-15, I helped facilitate the Mississippi River Nutrient Dialogues. We brought together leaders from the farming and water service leaders in first-time discussions to seek nutrient reduction approaches that might curb the gulf dead-zone. There were very contentious conversations. I quickly learned the value of trust and integrity as a first step in negotiation. Through a series of sessions, spread out over several years, enough consensus was reached to make actionable recommendations.

7. Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds.

The Citizen Oversight Committee will be the Lagoon's restoration first line of defense. Its existence and effectiveness will be critical for continued public support over the next decade. Any real, or perceived, conflict of interest by the Committee will feed the common fear of citizens that their dollars are squandered.

Working in the non-profit sector most of my career and with Boards of Directors has made me sensitive to ensuring that conflicts of interest do not occur. In fact, on more than one occasion, I had the responsibility of confronting Board member conflicts of interest. Doing so wasn't comfortable, but essential, because an organization's most valuable asset is its reputation. It has been my role to guard that integrity. Of course, the same will hold true for each person serving on this advisory committee.

If selected, the League of Women Voters, through my representation, will hold a high standard for integrity in maintaining the public interest.

EDUCATION:

Duke University • Durham, N.C. • Masters Environmental Management • 2009
Trinity University • Washington D.C. • Communications • 1997

EXPERIENCE:

Contract & Volunteer Services • 2016

Projects include writing a Business/Communications plan for the Indian River Lagoon Report Card (Marine Resources Council) and organizing support for FL SUN co-ops (Florida Solar United Neighborhoods).

U.S. Water Alliance • Deputy Director • 2010 – January, 2016

Managed operations and development for a policy focused national, D.C. based non-profit with \$2M annual budget. Identified and implemented program opportunities for briefings, conferences, and recognition programs to help usher in the paradigm shift toward green infrastructure and resource recovery solutions within the water sector. Convened national dialogues of diverse sector leaders, water, business, agriculture, non-profit. Responsible for public communications, press relations, branding, etc. Directed programs (2 junior staff), most notably:

- Mississippi River Nutrient Dialogues – discussions between agriculture and water managers to reach consensus on policy recommendations.
- One Water Leadership Summit – national conference in different cities, 300 attendees, 2-day program for peer exchange and education;
- U.S. Water Prize – solicitation of candidates and facilitation of review panels, gala and ceremony planning, attended by 300 at National Geographic headquarters;
- Value of Water Coalition public relations campaign – support and development coalition of leaders to raise profile of need for investment in water infrastructure.

Water Environment Federation • Senior Manager Public Communications • 1993–2009

Developed national public education program from its genesis – strategic planning, fundraising (\$250K annual budget), branding, and media relations. Mobilized network of volunteers for advocacy and knowledge sharing. Liaison to committees, associations and agencies forming national and grassroots coalitions, partnerships, etc. Extensive public speaking at U.S. Member Association conferences, Australia, Canada and China, as well as many water related public events. Managed U.S. EPA Biosolids Public Acceptance Campaign grant (250K). Created numerous programs and products for internal and external target audiences including:

- *Water Is Life, and Infrastructure Makes It Happen* – awareness campaign for rate-payers on the need to invest in water and wastewater infrastructure;
- U.S. Stockholm Junior Water Prize – national high school science competition culminating in annual 3-day event hosting 150 students, teachers, and parents;
- *WEF Teach* – annual full-day teachers workshop on water issues.

Koss Resume

Page 2

Charlotte Mecklenburg Utility Department • Administrative Officer • 1987–1992

Established CMUD's community relations program. Responsible for the city's involvement in all public outreach programs including school education, National Drinking Water Week, partnerships/sponsorships, watershed festivals and cleanups, xeriscape education, historic designation of properties, community and media relations.

WTVI/Charlotte-Mecklenburg Public Broadcasting Authority • Assistant to Development Director • 1982 – 1986

Worked under the mentorship of the Development Director assisting in all aspects of fund-raising for public broadcasting. Responsible for membership records; on-air membership drive promotions; recruitment, training, and organization of more than 100 volunteers per drive including solicitation of corporate sponsorships for volunteer expenses. Stage management and camera operation for *After Dark* concert series.

APPOINTMENTS:

Water Utility Advisory Board, City of Cocoa, 2014-present
League of Women Voters Space Coast Board Member, 2016-present
Groundwater Foundation Technical Review Board, 2000-2005
Keep America Beautiful Public Education Advisory Board, 1994-1997
Chair & Founder of the NC Water for People chapter, 1989-1992

AWARDS:

Associations Advance America Honor Roll, *Water Is Life*, 2010
National Association of Environmental Professionals, *The Water Sourcebook*, 1998
U.S. Environmental Protection Agency, *The Water Sourcebook* series, 1998
American Society of Association Executives, *WEF Teach*, 1997
Charlotte Mecklenburg Earth Coalition, *Water Woman*, 1991

AFFILIATIONS:

Indian River Lagoon Coalition member
Marine Resources Council member
Sierra Club Seaturtle Chapter member
The Climate Project presenter (Gore trainee), 2006 & 2007
Virginia Cooperative Extension – Master Gardener 2001
Yoga Alliance, registered teacher, 2007-present



LEAGUE OF WOMEN VOTERS®
OF FLORIDA

September 29, 2016

To Whom It May Concern;

The League of Women Voters of the Space Coast is delighted to recommend Lorraine Koss for appointment to the Indian River Citizen Oversight Committee proposed by the Brevard County Commissioners, pending voter approval.

As a new member of the League, Lorraine has earned a seat on the Board of Directors. Her leadership and communication skills are strengths so needed on Committees and Boards. She willingly shares her exemplary knowledge on the complex issues concerning the environment, clean energy, and water management. Currently she is heading up our solar vision for Florida, and has worked tirelessly to coordinate the community with diplomacy and research.

The League sincerely thanks you for the opportunity to submit Lorraine's name for your consideration. We believe the community and our Lagoon will be the beneficiary of her presence on the Citizen Oversight Committee. I would be happy to answer any questions regarding our recommendation.

Sincerely,

Fran Baer

Fran Baer, Co-President
League of Women Voters of the Space Coast
321 264-1465
fbaer@cfl.r.com



Maryland
Department of
the Environment

Larry Hogan
Governor

Boyd Rutherford
Lieutenant Governor

Ben Grumbles
Secretary

September 30, 2016

Virginia Barker, Director
c/o Marie Winkler, Administrative Assistant to the Director
Brevard County Natural Resources Management Department
Viera Government Center
2725 Judge Fran Jamieson Way, Bldg A
Viera, FL 32940

Dear Ms. Barker:

I write in strong support of Lorraine Koss becoming a member of the Indian River Lagoon Citizen Oversight Committee.

Having worked closely with Lorraine from December 2010 through January 2015 at the US Water Alliance (USWA), I can tell you she excels in all the necessary skills to advance the important work of restoring and protecting Indian River Lagoon. Ms. Koss is a recognized expert in wastewater/stormwater; has extensive experience in consensus/partnership building; and has demonstrated great skill over the years in water environment communication/education and strategic development of policies, programs, and budgets. In particular, she helped lead USWA efforts to engage citizens in local and regional restoration projects. All of these talents and skills would help Lorraine provide useful advice in the implementation and revision of the Save Our Indian River Lagoon Protection Plan.

I know how critical citizen oversight is to the success of IRL cleanup and protection efforts. Prior to working with Lorraine at USWA, I was head of EPA's national water program and prior to that, environmental counsel to the Congressional Committee that authorized Army Corps of Engineers and EPA water projects, including IRL.

Please let me know if I can provide additional information or assistance on this matter.

Sincerely,

Thanks

Ben Grumbles
Secretary



Department of Political Science

September 30, 2016

Virginia Barker, Director
c/o Marie Winkler, Administrative Assistant to the Director
Brevard County Natural Resources Management Department
Viera Government Center
2725 Judge Fran Jamieson Way, Bldg A
Viera, FL 32940

Dear Ms. Barker,

It is with great pleasure that I write to strongly support Lorraine Koss' application to serve as volunteer on the Save Our Indian River Lagoon Citizen Oversight Committee. Clearly Ms. Koss has the expertise and professional experience to be a highly effective committee member in multiple fields including science and technology, finance, education and outreach, and lagoon advocacy.

As Deputy Director of the U.S. Water Alliance Ms. Koss managed budgets of millions of dollars, and implemented programs that required extensive knowledge and experience in water infrastructure and management. Ms. Koss organized conferences aimed at forming partnerships and building consensus among leaders of diverse critical sectors in relation to water restoration and conservation projects. In addition, she has excellent communication, fund raising, and education outreach skills. In sum, Ms. Koss will bring to the committee a set of skills, knowledge, talents, experience, and good judgement that will make an outstanding contribution to the success of the committee's goals.

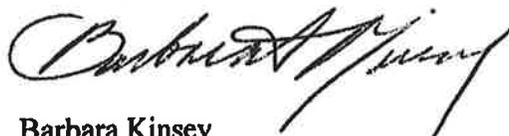
I have known Ms. Koss since 2012 when she moved to the City of Cocoa from Washington D.C. And since her arrival Ms. Koss has been an excellent and energetic citizen engaging in community activities and succeeding in her organizing efforts mainly related to issues of environmental protection and conservation. Ms. Koss has volunteered on carrying out a number of public events including fund raising for the Marine Resources Council, and building support for Florida SUN co-ops. She is currently serving as a Board Member on the League of Women Voters of Space Coast, and as a member of the City of Cocoa's Water Utility Advisory Board. Her collaborators, friends, and neighbors think very highly of Ms. Koss as a person, and of her leadership and accomplishments.

Ms. Koss' commitment to public service is exemplary. As a member of the River Lagoon Citizen Oversight Committee Ms. Koss will serve the public interest effectively and responsibly.

If you have any questions, please do not hesitate to contact me via email at Barbara.kinsey@ucf.edu

Thank you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Barbara Kinsey".

Barbara Kinsey
Associate Professor



Maryland
Department of
the Environment

Larry Hogan
Governor

Boyd Rutherford
Lieutenant Governor

Ben Grumbles
Secretary

September 30, 2016

Virginia Barker, Director
c/o Marie Winkler, Administrative Assistant to the Director
Brevard County Natural Resources Management Department
Viera Government Center
2725 Judge Fran Jamieson Way, Bldg A
Viera, FL 32940

Dear Ms. Barker:

I write in strong support of Lorraine Koss becoming a member of the Indian River Lagoon Citizen Oversight Committee.

Having worked closely with Lorraine from December 2010 through January 2015 at the US Water Alliance (USWA), I can tell you she excels in all the necessary skills to advance the important work of restoring and protecting Indian River Lagoon. Ms. Koss is a recognized expert in wastewater/stormwater; has extensive experience in consensus/partnership building; and has demonstrated great skill over the years in water environment communication/education and strategic development of policies, programs, and budgets. In particular, she helped lead USWA efforts to engage citizens in local and regional restoration projects. All of these talents and skills would help Lorraine provide useful advice in the implementation and revision of the Save Our Indian River Lagoon Protection Plan.

I know how critical citizen oversight is to the success of IRL cleanup and protection efforts. Prior to working with Lorraine at USWA, I was head of EPA's national water program and prior to that, environmental counsel to the Congressional Committee that authorized Army Corps of Engineers and EPA water projects, including IRL.

Please let me know if I can provide additional information or assistance on this matter.

Sincerely,

Thanks

Ben Grumbles
Secretary



NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way, Building A-219, Viera, FL 32940

**Save Our Indian River Lagoon Citizen Oversight Committee
Volunteer Application**

Due: October 1, 2016

Name: David Lane
Mailing Address: 1240 Potomac Drive
City: Merritt Island **State:** Florida
Zip Code: 32952
Phone: 321-403-3793 **Cell Phone:** 321-403-3793
Email: davidvlane@hotmail.com

Basic Requirements and Duties of Oversight Committee Members

Applicants must commit to serving the public interest by providing stewardship of Lagoon Trust Funds, especially in relation to restoring health to the Indian River Lagoon, and must demonstrate expertise and experience in one or more of the following fields: science, technology, economics/finance, real estate, education/outreach, tourism, or lagoon advocacy. Knowledge of the water quality issues and the major sources of pollution affecting the lagoon are highly desirable.

Members will oversee progress and make recommendations to the Brevard County Board of County Commissioners (BOCC) on spending an estimated \$303 million from sales tax revenue to **Reduce** pollution sources to the lagoon, **Remove** legacy pollution from the lagoon bottom, **Restore** natural systems within the lagoon, and **Respond** to new information by recommending annual amendments to the Save our Indian River Lagoon Project Plan (SOIRLPP). Duties will include participation in meetings to evaluate data to measure progress towards plan implementation and lagoon health, review technology and alternative project proposals for reducing pollutants and improving water quality, assess the cost-effectiveness of the projects, and recommend plan revisions accordingly. The Committee shall address questions, concerns, and ideas from the public to improve the SOIRLPP. Applicants must be willing to ensure that the SOIRLPP reflects the most effective, timely and responsible means to restore the Indian River Lagoon and that the Save Our Indian River Lagoon Trust Fund is managed in the best interest of the public.

Please complete the following questions and statements.

1. Do you reside in Brevard County? Yes No Number of years 1972 – 1995 and 2002 - current _____
2. Are you willing to serve on the Committee for a minimum of two (2) years and be available to attend multiple weekday meetings annually, as needed? Yes No
3. Please check next to one or more of the following that best match(es) your expertise:
- Science Economics/Finance Education/Outreach
- Lagoon Advocacy Technology Real Estate Tourism

FOR THE QUESTIONS BELOW, RESPONSES MAY BE UP TO ½ PAGE EACH

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee. The Indian River Lagoon is historically, among the most diverse ecosystems in the world and is both the leading geographic feature of our county, and a principle recreation, leisure, and economic driver for residents and visitors. I am personally interested in the health of our lagoon because I grew up swimming, boating, and fishing these waters in my youth. I've camped along its shores, and harvested clams and crabs and countless fish. The lagoon to me, is as important as the dry land that surrounds it. Today, I rely on the lagoon in my job as owner/operator of A1A Management LLC, a hotel and cruise excursion, rentals and tour business. In this capacity, the health of the lagoon is of grave concern as it directly correlates to the success of our business model. We've experienced the effects of a sick lagoon this year with a loss of tourism activity and lagoon-based recreation demands as a direct result of the brown algae bloom and the national news that came as a result of it. Visitors from all over, including abroad, have inquired about our lagoon health prior to , and after arriving here on their vacation. The general public is very informed, and we've learned that when faced with a water quality crisis that makes national news, vacationers can and do seek out areas with better water quality. We know of several instances where families that visit Florida annually have chosen to stay somewhere else with better water quality. We've had return guests that normally book activities with us every year, instead choose to go to the gulf side of the state, as well as Stuart, Jupiter, the Florida Keys, and the big bend area. I view the lagoon crisis as both a crisis for residents who seek a return of the aesthetic value of the lagoon, but I also view it from a revenue and tourism perspective as well. I was here when commercial clamming shut down because they were unsafe to eat. I've witnessed the precipitous fall of our blue crab and stone crab harvests. I see the loss of vital seagrass beds that serve as a most valuable nursery for juvenile fish and crustaceans. And today, I witness tourism dollars going elsewhere because people don't want to recreate in unhealthy waters. I want to do what I can, with my background, expertise, and passion for our lagoon, to help restore her, to remedy what ill's her, and protect her for future generations. Serving on this committee is important to me. I want to serve in this capacity.

5. Please provide a brief overview of your background and experience(education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon. I have a B.S. degree in Fisheries and Wildlife Ecology from the College of Agriculture and Natural Resources of Michigan State University. I worked for 4 years in the water quality division of a large not-for-profit, NSF International, working in collaboration with the federal EPA and state agencies on the protection of surface and drinking waters, establishment of control and quality EPA and state water supply standards, and enforcement. This work required a strong understanding of source water potability and contamination, drinking water safety, and to a broader extent, nutrient flows and cycling, storm water systems and containment, environmental toxicology, distribution systems, and ecosystem dynamics associated with riverine, lotustrine and marine environments. In addition to my time spent as a NSF scientist, I also have significant experience working as a permit specialist with a Florida based marine construction firm, leading their efforts to to secure marine construction permits on lands within the state sovereign submerged lands areas, which is primarily lagoon waters around the state, and beach fronts. This included working in association with the state DEP and Army Corps of Engineers, conducting field essays, compiling lagoon vegetative site data, and determining compliance to a host of regulations necessary for permit approval. As it pertains to SOIRLPP, I can contribute to the scientific understanding of proposals of remedies, corrective action, and prevention of contributors to lagoon health deterioration. I will comprehend methodologies of intended outcomes of proposals for clean up, restorations, and maintenance. I will understand scientific application of theory, application of engineered plans and strategies, and can help in the endorsement of resources to be allocated to activities with the greatest positive impact to lagoon health and restoration.

6. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee? My professional experience includes the organization, execution and leadership of national forums on water quality, with guests, exhibitors, and speakers from state and federal agencies, hosted by my team under my management, while at NSF. Today as a small business owner, I must collaborate with resort and cruise management, municipal leaders, and state agencies. There is very little we do that doesn't require consent and approval from a host of stakeholders. I intend to apply my background and skillset at managing diverse stakeholder groups towards common interests through effective communication, developing and nurturing relationships, problem solving, and working in whatever capacity I am assigned, be it a leadership role or otherwise, to ensuring the mission of individual objectives are met and team goals attained.

7. Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds. The importance of assuring that the public interest is paramount cannot be understated. As I currently understand it, the reason for the existence of this committee is to give the public interest an oversight into the allocation of resources for the restoration and maintenance of our lagoon health. Towards that goal, avoidance of conflict of interest is of very real concern. Assurances that the endorsement of fund allocation goes to companies and organizations that present very viable, leading proposals, with best practices and values in mind, is why this committee exists. To fail in that endeavor, is the question why the group exists at all. All perceived or real conflicts should be very carefully and thoroughly assessed, and decisions to endorse a particular path towards committee goals where a conflict of real or perceived concern exists, should be addressed in public forums, providing full answers to the media and public as to our reason and justification for making such decisions.

Additional Requirements

In addition to this application, a resume/CV and at least one letter of recommendation are required. The letter of recommendation can be a personal recommendation from a professional in the same field and/or an endorsement by a reputable nonprofit organization.

Send your application, resume, and letter(s) of reference to:

Marie Winkler, Administrative Assistant to the Director

Marie.Winkler@brevardfl.gov

Phone: 321-633-2016, Fax: 321-633-2029

David Lane

1240 Potomac Drive, Merritt Island, Fl 32920

321-403-3793 davidvlane@hotmail.com

Objective: To secure a position on the new Brevard County Save Our Indian River Lagoon Citizen Oversight Committee

Career: 2009–

A1A Management, LLC (dba: A1A Beach Rentals, A1A Outdoor Center)

6811 N Atlantic Ave, Cape Canaveral, Fl 32920

Owner/Operator

Accountable for all things small business, ensuring long-term viability and success of a water sports and recreation business, with strong utilization of the Indian River Lagoon as a recreation facility.

2001-2009

Dock Patrol, Inc., 211 N Atlantic Ave, Cocoa Beach, Fl 32931

Operations Manager

Permit and compliance specialist for projects on sovereign submerged lands and Atlantic beach heads, primarily the Indian River Lagoon.

2007-2009

Advanced Graphics Inc, 342 Williams Pt Blvd, Cocoa, Fl 32927

National Sales Manager

Concurrent to position above, this was a 2yr assignment leading the national brand launch of "Salty Bones" an outdoor lifestyle brand of fishing and water sports interests into national retail and supply distribution. *Note: There was very little work in the construction industry during this time in Florida and I was part-time with Dock Patrol during this period.*

1996-2001

NSF International, 789 Dixboro Road, Ann Arbor, MI 48105

Asst. Manager, Project Lead

Water quality project manager, working with jurisdictional agencies, in-house toxicology and environmental scientists, and key stakeholders on the assessment, evaluation, determination, and compliance of water quality standards for public health and safety, relating to manufacture and application of water filtration, cleansers, distribution and containment

Education: Michigan State University

College of Agriculture and Natural Resources

Bachelor of Science, Fisheries and Wildlife Ecology awarded, 1996

Eastern Florida State University

Associate of Science, Biology awarded 1993



re: **Recommendation for David Lane**

To whom it may concern,

I want to give you my endorsement of David at A1A Beach Rentals & Outdoor Center for appointment to the *Save Our Indian River Lagoon Citizen Oversight Committee*.

More or less in the same business, David, myself, and all the other outfitters in the business of water sports tourism understand that we need immediate action to save our lagoon, keep our tourism businesses viable, and continue employing residents of Brevard County. Recreation on the lagoon is a major contributor to tourism and our local economy, and a representative of this segment should serve on the committee.

David is a respected member of this industry and community, and I am hopeful that he will be appointed to serve and represent, with his background and experience, to lagoon recovery efforts.

If I can be of further help, please feel free to give me a call anytime.

Sincerely,

William Davidson, owner
Surf & Ski Water Sports
1872 E Merritt Island Cswy
Merritt Island, FL 32952
321-453-8900



City of Cape Canaveral

September 26, 2016

Brevard County Board of County Commissioners
Natural Resources Management Office
2725 Judge Fran Jamieson Way, Building A-219
Viera, FL, 32940

**RE: RECOMMENDATION FOR DAVID LANE AS ADVISORY MEMBER OF
THE SAVE OUR INDIAN RIVER LAGOON CITIZEN OVERSITE COMMITTEE.**

To Whom It May Concern,

Please accept this letter as a recommendation for Mr. David Lane to serve as an advisory member of the Save Our Indian River Lagoon Citizen Oversight Committee. Mr. Lane operates a business in the City providing eco tours on the Indian River Lagoon. He has spent countless hours showcasing its beauty and ecosystem to people from all over the world for many years and has firsthand experience on the issues that currently plague the Lagoon. His education, business background and hands on experience more than qualifies him to provide the input necessary to make positive changes to improve the health of the Lagoon.

Sincerely,

Gustavo Vergara
Culture & Leisure Services Director

Dock Patrol
226 North Atlantic Avenue
Cocoa Beach, FL 32931
(321) 453-7963 FAX ((321) 799-4333
dockpatrol@mindspring.com

.....

DOCK PATROL, INC.

Date: September 21, 2016

To: The Citizen Oversight Board Nomination Team
From: Dock Patrol inc.
226 N. Atlantic Avenue
Cocoa Beach, FL 32931

:
To the Citizen Oversight Board Nomination Team:

If called upon to name one person to this committee, it would indeed be David Lane. David has lived and worked around these waterways from a very young age, and I know with certainty he loves this water we live around. I mean this guy fishes, dives, spearfishes, kayaks, camps, goes shrimping and crabbing, he does everything anyone can do in the river. His knowledge of the lagoon habitats and wildlife, seagrass beds, fishing and boating these areas and general marine knowledge is vast.

Professionally, David worked for me in various capacities but his strength was state and federal permitting. His scientific background, collection, assembly and evaluation of data, and information required to get through permitting was crucial to the success of many construction projects. He was our liaison to the state DEP, US Coast Guard and US Army Corps of Engineers.

In addition, David was a great asset to the office, a valued team member, and respected colleague. I highly recommend him to serve your oversight board and have no doubt as to his ability to serve and represent the public interest with a strong moral conviction and enthusiasm.

If I can be of further help, please feel free to call me directly any time. Cell 321-403-9557

Sincerely,



Troy Harris
Owner/President

WTH/akw

.....



NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way, Building A-219, Viera, FL 32940

**Save Our Indian River Lagoon Citizen Oversight Committee
Volunteer Application**

Due: October 1, 2016

Name: John Luznar
Mailing Address: 5700 N.Harbor City Blvd., Suite 400
City: Melbourne **State:** FL
Zip Code: 32940
Phone: 321.254.7666 **Cell Phone:** 321.474.7520
Email: jluznar@brph.com

Basic Requirements and Duties of Oversight Committee Members

Applicants must commit to serving the public interest by providing stewardship of Lagoon Trust Funds, especially in relation to restoring health to the Indian River Lagoon, and must demonstrate expertise and experience in one or more of the following fields: science, technology, economics/finance, real estate, education/outreach, tourism, or lagoon advocacy. Knowledge of the water quality issues and the major sources of pollution affecting the lagoon are highly desirable.

Members will oversee progress and make recommendations to the Brevard County Board of County Commissioners (BOCC) on spending an estimated \$303 million from sales tax revenue to **Reduce** pollution sources to the lagoon, **Remove** legacy pollution from the lagoon bottom, **Restore** natural systems within the lagoon, and **Respond** to new information by recommending annual amendments to the Save our Indian River Lagoon Project Plan (SOIRLPP). Duties will include participation in meetings to evaluate data to measure progress towards plan implementation and lagoon health, review technology and alternative project proposals for reducing pollutants and improving water quality, assess the cost-effectiveness of the projects, and recommend plan revisions accordingly. The Committee shall address questions, concerns, and ideas from the public to improve the SOIRLPP. Applicants must be willing to ensure that the SOIRLPP reflects the most effective, timely and responsible means to restore the Indian River Lagoon and that the Save Our Indian River Lagoon Trust Fund is managed in the best interest of the public.

Please complete the following questions and statements.

1. Do you reside in Brevard County? Yes No Number of years 17

2. Are you willing to serve on the Committee for a minimum of two (2) years and be available to attend multiple weekday meetings annually, as needed? Yes No

3. Please check next to one or more of the following that best match(es) your expertise:

Science Economics/Finance Education/Outreach
 Lagoon Advocacy Technology Real Estate Tourism

FOR THE QUESTIONS BELOW, RESPONSES MAY BE UP TO ½ PAGE EACH

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee.

As a long time Brevard county resident with two children, I'm concerned about the restoration of the Indian River lagoon and fully believe there needs to be a collaborative and transparent effort from our citizens, regulatory agencies, professionals, political leaders and scientists to respond to the lagoon crisis.

5. Please provide a brief overview of your background and experience (education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon.

I'm a senior project manager at BRPH, an employee owned international architecture, engineering and construction services firm. I've been with the firm since 1999, assuming positions of increasing responsibility as Structural Engineer, Design Manager, Project Manager and Sr. Project Manager/Principal in 2013 after a 15-month career move with Harris Corporation as a Project Manager in their Corporate Real Estate Division.

I hold an M.B.A from Webster University and a B.S. in Architectural Engineering from Milwaukee School of Engineering. I'm also a registered professional engineer and a certified general contractor in the State of Florida.

6. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee?

I understand concepts that impact our society which encompasses, environmental, social, cultural, political and economic relations. I'm resourceful, impactful, ingenuous and enjoy utilizing my physical coordination and knowledge of how things work to get the job done. I've got strong interpersonal skills with an ability to facilitate dialogue and paired with my professional position with BRPH this enables me to stay entrenched in the who's who in Brevard county. By nature, I adapt to unexpected events, issues and opportunities.

7. Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds.

I believe it's crucial to avoid conflicts of interest in personal matters in order to avoid corruption and promote the Save Our Indian Lagoon efforts. I'm honest and hold high principles for proper conduct.

Additional Requirements

In addition to this application, a resume/CV and at least one letter of recommendation are required. The letter of recommendation can be a personal recommendation from a professional in the same field and/or an endorsement by a reputable nonprofit organization.

Send your application, resume, and letter(s) of reference to:

Marie Winkler, Administrative Assistant to the Director

Marie.Winkler@brevardfl.gov

Phone: 321-633-2016, Fax: 321-633-2029



John K. Luznar, PE, CGC

PROJECT/FACILITY MANAGER - STRUCTURAL ENGINEER

SUMMARY

Trusted advisor to executive management with deep and rich experience of providing high-performance work places that achieve ROI goals by aligning corporate real estate with corporate strategic objectives.

Highly motivated and a creative self starter with over 13 years of design and project management experience on diverse, large scale and complex projects while in progressive leadership positions. My experience offers a solid foundation in project management, earned value management tools and methodologies, collaboration and inspire team building.

Special interest in studying current company programs, processes and assignments to generate innovative ideas to gain efficiencies while not diminishing the quality. Strong interpersonal skills with an un-canning ability to facilitate dialogue between individuals to benefit the client and project. By nature I adapt to unexpected events, issues and opportunities at the moment that they arise thus exhibiting the flexibility required to stay ahead of the game. I feel as a benefit for both the company and myself I openly acknowledge my mistakes and shortcomings.

REGISTRATION/CLEARANCES

Registered Professional Engineer: State of Florida, 2004

Certified General Contractor: State of Florida, 2009

Single Source Background Investigation (SSBI)-Expired September 2011

Top Secret: Current

EDUCATION

Master in Business Administration, Webster University, 2004

Bachelor of Science, Architectural Engineering, Milwaukee School of Engineering, 1999

EMPLOYMENT HISTORY

Facility Manager, Harris Corporation September 2011 – Present

Commercial-Government Group

Domestic and international experience with a passion for interacting with design professionals, contractors, vendors and Harris personnel to coordinate and accomplish major improvements, renovations, alterations and construction of new facilities for all Harris Corporation's facilities worldwide. Facilities include office, labs, SCIF's secure area's NOC's and customer support centers. Competitively procures, provides design and construction oversight, budgeting, conceptual layouts with the use of CAD, gains facility acceptance, requirements gathering implementation and verification of customer requirements.

Project Manager, BRPH Architects-Engineers, Inc. 2005 – September 2011

Commercial-Government Group

Led diverse teams of Clients, Architects, Engineers and Consultants through the design and construction administration process of commercial, aerospace and industrial projects with average yearly design fees exceeding \$4 million. Increased collaboration, enhanced design/construction team communications, reduced cost and met client requirements by identifying and enhancing the product as well as distribution channels with the initiation and development of the electronic submission process. Managed national and international projects effectively. Provided weekly support for the Office of Space Launch under the Director of Facilities for the NRO. Support included authoring studies and facility requirements documents, conducting facility assessments, requests for proposals, data gathering, implementation and verification of ICS-705 and UFC requirements, construction and design oversight for all facilities under the Director at CCAFS, FL. Types of facilities included support, mission critical, secure, SCIF's. Data centers, storage and processing facilities.

Design Manager, BRPH Architects-Engineers, Inc. 2002 – 2005

As a Design Manager, the greatest contribution was to exploit the intra-office construction administration business potential by developing and implementing a paperless submittal process that maximizes profit, minimizes errors and reduces turnaround times and increases client satisfaction during the design process. Responsibilities included leading a team of Architects and Engineers on highly technical rapid design build projects, studies and assessments for facilities located at CCAFS for the Office of Space Launch and the Eastern Missile Range.

Structural Engineer, BRPH Architects-Engineers, Inc. 1999 – 2004

As a Structural Engineer in the Education and Aerospace group, the greatest contribution was my talent to work with multiple architectural and engineering individuals and to provide efficient and economical building structures. Responsibilities included coordination between departments, super structure design (steel, concrete, masonry and wood) and foundation design.

HIGHLIGHTED PROJECTS

Interiors Responsibility Center, Boeing Commercial Airplane, Inc. North Charleston SC; Pattillo Development Company: This fast track design/build project includes a new 254,000 SF manufacturing facility for the interiors of the Boeing 787 Dreamliner. Construction Value: \$75 million

Central Utility Building, Boeing Commercial Airplane, Inc. North Charleston SC; BRPH, BE&K and Turner Construction Joint Venture: This fast track design/build project included a new 15,000 SF central utility building for the Boeing 787 Final Assembly Building. Construction Value: \$25 million.

EFACEC Power Transformer, Inc. Effingham County, GA; BE&K Building Group, Inc.: This fast track design/build project includes a new 235,000 SF transformer manufacturing facility and 17,500 SF head administration building. Construction Value: \$64 million.

Waukesha Electric Systems, Inc. Extra High Voltage Program, Waukesha, WI: This fast-track design bid build project includes a new 154,000 SF transformer manufacturing facility and 17,500 SF head administration building. Construction Value: \$29 million.

Office of Space Launch, CCAFS FL. Provided weekly support for the Office of Space Launch under the Director of Facilities for the NRO of all facilities at CCAFS, FL.

Indefinite Delivery Contract with Harris Corporation, Melbourne and Palm Bay, FL; Harris Corporation: Projects include additions, modifications, and new construction for projects that include clean rooms, labs, office structures, chiller plant capacity, antenna support structures, assembly lift areas, and high bay structures. Additionally worked as the owner's representative on multiple projects.

Highlights of Contributions:

- Trusted advisor to executive management with deep and rich experience of providing high-performance work places that achieve ROI goals.

- Provided weekly support for the Office of Space Launch as an on-site consultant under the Director of Facilities for the NRO of all facilities at CCAFS, FL.
- A major contributor for landing the Boeing 787 Charleston Expansion program.
- Substantially enhanced the productivity and Revenue / Profit contribution of Architectural-Engineering business for BRPH Companies by developing and standardizing the electronic submission process for construction documents.
- Played a key role in developing the Strategic Plan for the company for positioning the company as the major AEC Regional player across geographies and business sectors for 2007.
- Exceeded sales goals every year since 2005, currently maintains an average of 25% profitability for all large projects exceeding \$30 million in construction cost.
- Led numerous successful proposals and marketing efforts.
- Researched and compiled yearly marketing plans for the marketing director and other project managers.
- Played a key role in landing EFACEC Power Transformer, Inc. The first extra high voltage transformer manufacturing plant in the US since the 1970's, thus providing up to 600 American jobs.



5700 North Harbor City Blvd.
Suite 400
Melbourne, FL 32940

MAIN 321-254-7666
FAX 321-259-4763
BRPH.com

September 29, 2016

To Whom It May Concern:

The purpose of this letter is to provide a recommendation for Mr. John Luznar, whom I have known as a coworker and friend for three years. I can attest that he is qualified to serve in the public interest by providing stewardship of the Indian River Lagoon funds and help bring ideas to restore health to the Indian River Lagoon.

John demonstrates technical expertise in his career as a project manager and structural engineer for BRPH serving the commercial, government and aerospace market sectors. A related project that John worked on for the Chain of Lakes in Titusville speaks to his applicable expertise which consisted of interconnected storm water retention lakes along the western shore of the Indian River Lagoon. John has successfully managed highly technical projects and brings a wealth of technical skills and leadership to his projects.

John has lived in Brevard County for 17 years, has a passion for wildlife and genuinely wants to leave the world a better place for his growing children. He will bring a different perspective and ideas on how to ensure the best interest of the public is attained. On a personal level, John understands and manages a freshwater aquatic ecosystem in his family's backyard.

In addition to working at BRPH, serving in Lead Brevard and coaching an intermural volleyball league at Kennedy Middle School, John's achievements go beyond the professional. His unique blend of humor and positive energy makes him an ideal candidate to deal with highly sensitive situations. I have known him to treat others with compassion, respect, understand and professionalism.

Based upon my experience working with him at BRPH, it is my pleasure to recommend John Luznar to you for a volunteer position for the Save Our Indian River Lagoon Citizen Oversight Committee.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mike Vernich".

Mike Vernich

CHIEF OPERATING OFFICER





NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way, Building A-219, Viera, FL 32940

**Save Our Indian River Lagoon Citizen Oversight Committee
Volunteer Application**

Due: October 1, 2016

Name: Richard K Mariani
Mailing Address: 365 Exeter Street
City: Satellite Beach **State:** Florida
Zip Code: 32937
Phone: 3215014080 **Cell Phone:** 3215014080
Email: rick.mariani@yahoo.com

Basic Requirements and Duties of Oversight Committee Members

Applicants must commit to serving the public interest by providing stewardship of Lagoon Trust Funds, especially in relation to restoring health to the Indian River Lagoon, and must demonstrate expertise and experience in one or more of the following fields: science, technology, economics/finance, real estate, education/outreach, tourism, or lagoon advocacy. Knowledge of the water quality issues and the major sources of pollution affecting the lagoon are highly desirable.

Members will oversee progress and make recommendations to the Brevard County Board of County Commissioners (BOCC) on spending an estimated \$303 million from sales tax revenue to **Reduce** pollution sources to the lagoon, **Remove** legacy pollution from the lagoon bottom, **Restore** natural systems within the lagoon, and **Respond** to new information by recommending annual amendments to the Save our Indian River Lagoon Project Plan (SOIRLPP). Duties will include participation in meetings to evaluate data to measure progress towards plan implementation and lagoon health, review technology and alternative project proposals for reducing pollutants and improving water quality, assess the cost-effectiveness of the projects, and recommend plan revisions accordingly. The Committee shall address questions, concerns, and ideas from the public to improve the SOIRLPP. Applicants must be willing to ensure that the SOIRLPP reflects the most effective, timely and responsible means to restore the Indian River Lagoon and that the Save Our Indian River Lagoon Trust Fund is managed in the best interest of the public.

Please complete the following questions and statements.

1. Do you reside in Brevard County? Yes No Number of years 57

2. Are you willing to serve on the Committee for a minimum of two (2) years and be available to attend multiple weekday meetings annually, as needed? Yes X No

3. Please check next to one or more of the following that best match(es) your expertise:

Science Economics/Finance X Education/Outreach

X Lagoon Advocacy Technology Real Estate Tourism

FOR THE QUESTIONS BELOW, RESPONSES MAY BE UP TO ½ PAGE EACH

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee. The repeated fish kills, and sewer line breaks in South Patrick make the IRL and the water cycle, the pressing issue of concern in South Patrick where I live. I am since birth, a resident of Brevard County and the Space Coast. I fish, sail, and swim in our waters. I feel passionately that we need to do all we can to restore the health of the Indian River Lagoon and the water cycle for the benefit of current and future generations of residents, tourists, the local economy and the health of the residents and the preservation of our unique ecosystem. I have served our nation my whole life and would now like to continue to serve my local community. I am retired and have the time to dedicate to this.

5. Please provide a brief overview of your background and experience (education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon.

I serve in multiple volunteer capacities at the Patrick Air Force Base Protestant Chapel with primary duty as the Coordinator for the Men's Ministry. Also, I serve as a Director of District 3, South Patrick Residents Association and in that capacity, I represent the interests of 3,500 households that fall under County jurisdiction. As a retired Army Officer and Department of Defense Operations Officer, I am a communicator; I have a MA in International Relations; served as Information Officer (shaping public opinion) for the Department of Defense; maintain fluency in several foreign languages; it is said of me that I work well in a team and lead teams and run projects well; while serving our nation I lived abroad and observed first hand, effective water use and recycling methods, that enabled a return of scrubbed waste water to the river system and use of solids and processed waste as fertilizer. So I bring some background and knowledge, plus the ability to reach out and obtain input from foreign subject matter experts. I have experience in managing budgets (Army Language Program/Intelligence Contingency Funds), for the Army/Department of Defense, with to the penny accuracy required, despite fluctuating currency exchange rates.

DRAFT Application Form 9/30/2016

6. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee? I serve on the Protestant Advisory Council PAFB Protestant Chapel. I bring 20 years of Army team leader experience. Also I served as an Intelligence Operations Officer (Human Intelligence) for 8 years. I retired (disabled due to injuries). That should speak to my character, judgment, analytical, communication, and group consensus building strengths.

7. Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds. Stewardship must be the paramount first guiding principal of this committee; that is that the recommendations for the expenditure of the Save Our Indian River Lagoon Trust Funds, must be not only be constantly reviewed for effectiveness and cost efficiencies, but also to preclude any possible perception of conflict of interest or corruption or favoritism in the allocation of the funds. The first priority is selfless service to the community and effectively communicating this to the public.

Additional Requirements

In addition to this application, a resume/CV and at least one letter of recommendation are required. The letter of recommendation can be a personal recommendation from a professional in the same field and/or an endorsement by a reputable nonprofit organization.

Send your application, resume, and letter(s) of reference to:

Marie Winkler, Administrative Assistant to the Director

Marie.Winkler@brevardfl.gov

Phone: 321-633-2016, Fax: 321-633-2029

Richard Kurt Mariani
365 West Exeter Street
Satellite Beach Florida
Rick.Mariani@yahoo.com
Cell: 321 501 4080

WORK EXPERIENCE:

My whole life has been public service.

Present: Currently, I am focused on giving back to my community through volunteer activities: I am the Men's Ministry Coordinator for Patrick Air Force Base Protestant Chapel and on the Protestant Advisory Council and help out at the Daily Bread. I am co-director for Area 3 of the South Patrick Residents Association and on the board of Directors for the Republican Mentors Club of Brevard and volunteer for various candidates for political office on an irregular basis.

Recent Past 2013-2015: I was a substitute teacher in Brevard County for K-12. I also taught Biblical and Christian History to Jr. High and High School age children and occasionally to adults at South Patrick Chapel.

I served nearly 28 years in defense of and at the pleasure of my country. From January 1979 until February 1999 I served in the United States Army and most of that time as an Interrogator and Human Intelligence Officer. Then from May 1999 until July 2006 I was employed by the Department of Defense (Defense Intelligence Agency) as a GM13 Operations Officer and Federal Agent. I retired early due to injuries.

As quota manager, for the Foreign Language Training Center Europe and Language Program Manager for the 1st Infantry Division my duties included but were not limited to: teaching cultural sensitivity classes to Special Operations Forces and others for operations overseas; teaching basic Serbo-Croatian; teaching German refresher language courses; managing hundreds of students and their instructors; hiring and firing instructors; creating and overseeing budgets; and teaching english at the University of Vyskov, in the Czech Republic, to both military and civilian students.

I Liaised with NATO Partners and national level host-country and other foreign government officials on a nearly a daily basis from 1986 to 1992 and from 1999 to 2005. I have taught / worked / trained or visited in an official capacity in Iraq, Turkey, Jordan, Egypt, Bosnia, Croatia, Serbia, Slovenia, Czech Republic, Slovakia, Romania, Hungary, Bulgaria, Netherlands, and Germany.

I have a proven track record of positively motivating men and women to accomplish what they and others thought could not be done and to excel both with regard to learning and productivity. I have designed and implemented effective propaganda and informational campaigns to influence public opinion. My varied assignments, my ability to work with people proven through various and multiple assignments and multi-national negotiations with national and local authorities, I am uniquely capable of giving my coworkers and colleagues exposure to other points of view and helping them to take into account the biases of others as well as their own and build a consensus for the common good.

Please allow me the honor of joining the Indian River Lagoon Restoration Team.

Character References:

Thomas, Mark F, Wing Chaplain, 45 SW/HC
 357 Titan Road
 Patrick AFB, FL 32925
 Email: mark.thomas.6@us.af.mil
 DSN: 854-4073; CIVILIAN:321-494-4073

Hurt, Jonathan R, Ch, Maj, USAF
 Deputy Wing Chaplain, 45 SW/HC
 357 Titan Road
 Patrick AFB, FL 32925
 E-mail: jonathan.hurt@us.af.mil
 DSN: 854-4073; CIVILIAN:321-494-4073

LTC (Ret) Tim Thomas, Melbourne City Councilman, and Senior Army Instructor,
 Viera High School, 6103 Stadium Parkway, Melbourne, Florida 32940
 Phone 321-632-1770 Ext 28004
 Cell 321-223-1016
 Email: thomas.timothy@brevardschools.org

Mathew Susin, Former Social Science Instructor
 Viera High School, 6103 Stadium Parkway, Melbourne, Florida 32940
 CURRENTLY working at Twin Rivers Insurance Melbourne
 306 E. New Haven Ave . Melbourne, 32901
 Phone 321 726-6550 Fax 321 726-6505
 Email: matthewsusin@gmail.com

Since much of what I did is classified, what follows is an unclassified extract of my experience as it pertains to this position only.

Please feel free to contact any current or past employer and use them as a reference.

Current unpaid positions held:

07/2012 – Present. Chief of the Men's Ministry Patrick Air Force Base Protestant Chapel.
 Patrick AFB Protestant Chapel
 357 Titan Rd, Patrick AFB, FL 32925
 Supervisor Chaplain Barry Kemp
 Phone 417 459-1637
 Seaside Chapel: 321.494.4073
 Email: barry.kemp@us.af.mil
 OFFICE: 321.494.9538

03/01/2016 – Present. Co-Director Area 3 South Patrick Area Residents Association

President SPRA, Ayn Marie Samuelson,
 Phone 321-773-8167
 SPRA
 PO Box 372357
 Satellite Beach FL 32937

02/2012 – Present. (former Treasurer) currently Director
 Republican Mentors Club of Brevard (RMCB)
 Supervisor James Marshal President RMCB
 Phone 321-243-1234
 Email rncbpresident@gmail.com
 Web: <http://www.republicanclub.us>

Previous Paid Positions Held:
 Most recent Employer Brevard County Public Schools.
 January 2013– March 2016

Substitute Teacher (Drama, Career Research) 1 Dec – 19 Dec 2014
 West Shore Jr/Sr High School 250 Wildcat Alley, Melbourne, FL 32935
 James D. Peterson Teacher (Drama, Career Research)
 Phone Number: 321.242.4730 FAX Number: 321.242.4740
 Email: outdabox@aol.com

05/1999-07/01/2006 Operations Officer Human Intelligence.
 Last Employer contact information.
 Defense Career Management and Support Agency (DCMSA)
 3 Corporate Way #299
 10440 Little Patuxent Parkway
 Suite 300
 Columbia, MD 21044
 Phone (800) 942-2404
 Fax (800) 848-7435
 Email dcmsa.hr@us.army.mil

May 1999 – 07/01/2006. Operations Officer. GM132 series.
 Duties: 40-60 hrs per week. Served in a US Department of Defense (DoD)
 Organization responsible for collecting and disseminating information that directly
 impacts the operations and security of the US military and facilities worldwide.
 Demonstrated expertise as a strategic and tactical debriefer. While deployed in the Global
 War on Terror, supervised and mentored 17 civilian and military analysts and debriefers
 engaged in “Human Intelligence” collection.

01/1979 to 02/1999 U.S. Army active duty.

Assignments:

04/1996 to 02/1999. 50 hrs per week. Command Language Program Manager. 1st
 Infantry Division, Wuerzburg. In my capacity as the Command Language Program
 Manager of a United States Army Europe (USAREUR) divisional military intelligence
 battalion, coordinated language training efforts with the Czech Ministry of Defense and

military and taught English at the Czech Military/civilian University at Vyskov. Managed over \$150,000 of combined annual Army Language Training and REDTRAIN funds to run training programs for 150 assigned linguists. Supervised and let contracts for foreign language instructors. Performed quality and accounting control on the aforementioned contracts. I planned and developed the long term strategy and directed the and day to day management of the educational program; I supervised the implementation by language center staff and unit responsiveness; I surveyed and determined the overall program needs through contact with commanders, soldiers, and the instructors; I identified new programs in specific functional areas; arranged for required class space, supplies, equipment, and support for language center activities; briefed the command staff on the status and needs of the program; and coordinated with commanders and USAEUR officials, and schools to meet Department of Army educational goals and testing integrity. I acted as the technical representative to the Contracting Officer Representative (COR) to ensure quality educational programs, negotiated with participating educational institutions for needed specialized courses, and monitored contract performance. I stayed abreast of advances in continuing education through contacts with other educators as well as attendance of conferences and seminars. My staff supervision duties included approving leave requests; evaluating and organizing workloads; justifying staffing requirements and organization; establishing and monitoring subordinate performance standards; interviewing and selecting key subordinate positions; and promoting Equal Employment Opportunity, Automation Security, Additional Duty, Dining Facility Officer.

04/1993 to 03/1996. 50 hrs per week. Senior Interrogator/Translator. Darmstadt.

01/1992 to 12/1992. 40 hrs per week. Command Language Program Manager, Class Quota Manager and Platoon Sergeant (for 87 soldiers), and German Language Instructor. Garmisch, Foreign Language Training Center Europe at the Marshall Center.

09/1988 to 01/1992. 40-45 hrs per week. Assistant Land Liaison Officer. Munich. 66th MI Group.

08/1987 to 09/1988. 40 hrs per week. Document Exploitation Section Supervisor. Munich. 18th MI Battalion.

07/1986 to 08/1987. 40-50 hrs per week. Strategic Debriefing. Munich. 18th MI Battalion.

08/1984 to 07/1986. 40-50 hrs per week. Team Chief, Psychological Warfare Operations. 4th Psyops Group, 6TH PSYOPS Battalion.

As the Balkan Team Chief, I prepared and briefed attitudes, trends, and sensitivities of Eastern European Nations. Including the then (Yugoslavia), (Czechoslovakia), (Romania) and Finland.

Personal background: I was born in Florida and am a U.S. citizen. I speak several languages fluently. I have two ESOL step children.

I have tested in the following languages at the following skill levels:

German DLI Test 3/3 (The highest score possible on that test) (Native Fluency)
(German oral interview DLI FLTCE test 1986 4+/4/4+)(Near Native College Educated Fluency)

Serb-Croatian 3/3 (Very Fluent self taught)
 Czech 3/3 (Very Fluent Professional Proficiency)
 Slovenian 2/3 (Passive understanding)
 Dutch 2/+2. (Passive understanding)
 Russian 2/2 (Limited Fluency)

EDUCATION:

2012-2013, Education Classes, GPA 3.8, UCF. Credit Hours earned 15.
 2008, Masters in - International Relations, GPA 3.7, Oklahoma University.
 1999, Masters courses taken - International Relations, GPA 3.5, Troy State University,
 Total Credit hours earned: 6.
 1991, Masters courses taken in International Relations and Strategic Studies, GPA 3.75,
 Boston University, Total Credit hours earned: 12,
 1986, Bachelor of Arts in Military History GPA 3.4, Campbell University, Total Credit
 hours 130. (GPA would have been higher but they would only give 3.0 for CLEP tests.)
 1977, Cocoa Beach High School Florida.

ADDITIONAL INFORMATION:

Member in good standing of three Professional Educator Associations:
 National Council for History Education (NCHE)
 The International Society for the Study of Social Studies (ISSS)
 National Council for the Social Studies (NCSS)

AWARDS:

Job-related honors:
 2x Certificates of Appreciation (9 Apr 2002)
 1x DIA Armed Forces Civilian Service Medal (28 Mar 2001)
 8 hours off, Performance Award, (Aug 1999)
 1x Meritorious Service Medal (Feb 1999)
 4x Army Commendation medals. (Between 1988 and 1996)
 7x Army Achievement medals. (Between 1979 and 1987)
 2x NATO medal (Mar 1996) and (Apr 2002)

RECENT EDUCATION RELATED TRAINING:

While attending UCF from 2012-2013, I completed all the course work identified by the
 FLDOE for issuance of a Professional Certificate to teach Social Sciences and German. I
 will receive my Professional Certificate pending completion of a Florida approved
 Professional Education Competance Program administered by my employer and one year
 employment.

TRAINING:

Job-related training courses:
 Interrogator Basic Course 1983.
 Czech Language Training 1983 – 1984 Defense Language Institute, California.
 Czech Language Training refresher 1986 six weeks Foreign Language Training Center
 Europe, Garmisch. (Multiple refresher courses or immersion training in the Czech
 Republic.) 86-98.
 Foreign Area Officers Balkan Countries Study Tour; August 1989.
 BNCOC Intelligence Course, Arizona 1989.
 Interpreted and made the security arrangements during U.S. Vice President Dan Quayle's

visit to the Slovak Republic 1990.
ANCOC Intelligence Course, Arizona 1991.
The Bundeskriminalamt (German FBI academy) course on Treason 1988-1991.
Warrant Officer Technical course 351E Interrogation/Translator Technician, 1993.
Two Serb-Croatian courses one 3 month one 5 week 1994-95.
Haus Rissen Seminar, European Geopolitical Situation historical and present, 1997.
Seminar on the new direction and challenges facing the Bundesnachrichtendienst, hosted by the German Atlantic Organization, 2000.
Seminar on the Islamic threat hosted by the German Atlantic Organization, 2001.
Seminar on the Iraqi threat taught by a training team from Defense Intelligence Agency, 2001.
Russian Language Training, (five weeks), Garmisch 2001. At International Training Incorporated, training in personal security awareness, driving countermeasures and effective use of firearms against terrorist attacks, Virginia 2001.
Tactical Interrogation (two weeks), Rhein-Main, by Phoenix Corporation 2002.
Certified by DSDC at FT Huachuca, Arizona as a Graduate of the DOD Strategic Debriefing Course 2003. J2X International staff officer course 2003.

Interests:

Church activities.

Politics.

Acting, Playwriting, Directing. 10yrs experience in Children's Theater.
(from stagehand to director I have done it all.)

Strategy Games.

Travel.

Foreign Languages.

Reading. History and Current Events.

Sailing.

I certify that, to the best of my knowledge and belief, all of the information on and attached to this Resume is true, correct, complete and made in good faith. I understand that false or fraudulent information on or attached to this Resume may be grounds for not hiring me or for firing me after I begin work, and may be punishable by fine or imprisonment. I understand that any information I give may be investigated.
Date: 29/SEP/2016 at 10:40AM

Richard Kurt Mariani

Chaplain, Lieutenant Colonel Mark F. Thomas
357 Titan Road
Patrick Air Force Base, FL 32925

September 29, 2016

Marie Winkler
Marie.Winkler@brevardfl.gov
NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way
Building A-219
Viera, FL 32940

Dear Oversight Committee,

I'm Chaplain Mark Thomas, Wing Chaplain at Patrick Air Force Base and I'm writing on behalf of Richard Kurt Mariani who is seeking a position on the Save Our Indian River Lagoon Citizen Oversight Committee. I believe you will find Richard a very passionate advocate for the environment and this community. Over the past two years I have seen his leadership first hand as he has worked tirelessly in reaching out to the military and civilian community here in the Satellite Beach/Patrick Air Force Base area. His resume speaks to his ability to adapt and communicate across both language and cultural barriers. I believe he will be a great voice for our community and the Indian River Lagoon.

Sincerely,

 Invalid signature

X Ch Lt Col Mark F. Thomas

Ch, Lt Col Mark F. Thomas

45 SW Wing Chaplain

Signed by: THOMAS.MARKF.1202391229

Chaplain, Lieutenant Colonel Mark F. Thomas



NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way, Building A-219, Viera, FL 32940

**Save Our Indian River Lagoon Citizen Oversight Committee
Volunteer Application**

Due: October 1, 2016

Name: John R. McMahon
Mailing Address: 2121 Rockledge Drive
City: Rockledge **State:** FL
Zip Code: 32955
Phone: 703-901-9355 **Cell Phone:** same

Email: jrmcm4737@gmail.com

Basic Requirements and Duties of Oversight Committee Members

Applicants must commit to serving the public interest by providing stewardship of Lagoon Trust Funds, especially in relation to restoring health to the Indian River Lagoon, and must demonstrate expertise and experience in one or more of the following fields: science, technology, economics/finance, real estate, education/outreach, tourism, or lagoon advocacy. Knowledge of the water quality issues and the major sources of pollution affecting the lagoon are highly desirable.

Members will oversee progress and make recommendations to the Brevard County Board of County Commissioners (BOCC) on spending an estimated \$303 million from sales tax revenue to **Reduce** pollution sources to the lagoon, **Remove** legacy pollution from the lagoon bottom, **Restore** natural systems within the lagoon, and **Respond** to new information by recommending annual amendments to the Save our Indian River Lagoon Project Plan (SOIRLPP). Duties will include participation in meetings to evaluate data to measure progress towards plan implementation and lagoon health, review technology and alternative project proposals for reducing pollutants and improving water quality, assess the cost-effectiveness of the projects, and recommend plan revisions accordingly. The Committee shall address questions, concerns, and ideas from the public to improve the SOIRLPP. Applicants must be willing to ensure that the SOIRLPP reflects the most effective, timely and responsible means to restore the Indian River Lagoon and that the Save Our Indian River Lagoon Trust Fund is managed in the best interest of the public.

Please complete the following questions and statements.

1. Do you reside in Brevard County? Yes No Number of years 5

2. Are you willing to serve on the Committee for a minimum of two (2) years and be available to attend multiple weekday meetings annually, as needed? Yes No

3. Please check next to one or more of the following that best match(es) your expertise:

<input checked="" type="checkbox"/> Science	<input checked="" type="checkbox"/> Economics/Finance	<input checked="" type="checkbox"/> Education/Outreach	
<input checked="" type="checkbox"/> Lagoon Advocacy	<input checked="" type="checkbox"/> Technology	<input checked="" type="checkbox"/> Real Estate	<input type="checkbox"/> Tourism

FOR THE QUESTIONS BELOW, RESPONSES MAY BE UP TO ½ PAGE EACH

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee. **We (my spouse, Cathy, and I) live on the Indian River lagoon (IRL) and routinely practice responsible and sustainable yard, shoreline, and septic tank maintenance. Since buying our home in 2011, moving into it in 2012, and renovating it in 2013, we have thoroughly enjoyed the many amenities the IRL has to offer: its natural beauty and serenity, its recreational benefits (see sail, swim and SUP in the IRL), its seemingly abundant fish, birds and wildlife, and its intrinsic value as an historical and natural ecosystem of national significance. We want to sustain all of this as good stewards and citizens for generations to come, and there is clear and compelling evidence that without positive and thoughtful action NOW, we will lose this invaluable natural resource forever. Since we moved here in 2012, Cathy has actively participated in several support activities sponsored by the Marine Resources Council to take positive and thoughtful actions---specifically, she (with some support and assistance from me) has cultivated oysters off our dock and subsequently planted them in Mosquito Lagoon, and she has monitored and reported on water quality for the past year. We have been committed to this important endeavor since we moved here and want to become more involved as outlined in the SOIRLPP. And, we attended the day-long presentation and comment period to the Brevard County Commissioners on 9 August 2016. Since I am retiring from full time employment at the end of 2016, I am ready to lend the benefit of my vast experience with the U.S. Army Corps of Engineers in ecosystem restoration, and all that entails.**

5. Please provide a brief overview of your background and experience (education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon. **I am a licensed Professional Engineer who served 35 years on active duty with the U.S. Army including the last 11 (2001-2012) as a senior leader in the Corps of Engineers. I retired from the U.S. Army in 2012 and moved to Brevard County with my spouse, Cathy, and I began working for CH2MHILL, an industry leader in consulting, design, design-build, operations, and program management; it is headquartered in Englewood, Colorado, with 25,000 employees, US\$6.25 billion in revenue, is employee-owned, is broadly diversified across multiple**

business sectors, and actively works in 60 countries worldwide. For most of 2014 and 2015, I worked in South Korea as the Program Manager for a \$10.7B Program of design and construction of 655 facilities to expand a small U.S. base into medium sized city to accommodate 35,000 U.S. soldiers, civilians, contractors and their families. In all those years, I have extensive leadership and management experience in dredging operations, permitting and environmental restoration consistent with the Clean Water Act, the National Environmental Protection Act, and the Navigable Waters of the U.S., real estate, habitat for fish, birds and wildlife, and the operation and maintenance of flood control levees and other structures and large multi-purpose dams across 17 western states in the U.S. including California, Oregon, Washington, Arizona, New Mexico, Colorado, Montana, Idaho, North and South Dakota, Nebraska, Iowa, Kansas and Missouri. I know how to collaborate and partner with various federal agencies, state and local entities and other stakeholder organizations such as The Nature Conservancy, and work with public media to keep citizens informed about issues and situations. My CV spells out these experiences in more detail.

6. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee? Clearly, the SOIRLPP has many facets, actors, unknowns, skeptics, stakeholders, and challenges, and yet it provides a good starting roadmap to take us from where we are today to a better set of outcomes in the future. However, as with any Plan, it will need to change with changing conditions, advancements and disappointments, more data, public support, progress, and so on. I believe the most critical ingredient to success will be perceived and real accountability, transparency and dialogue with the public and the media to gain and sustain public support, from the very beginning. I think you have a good start on this from what I saw and heard at the Brevard County Commissioners meeting on 9 August, and I think your concept of a Citizens Oversight Committee is sound and warranted under the circumstances. I have worked on big and small ecosystem restoration and other federal projects and programs in the Columbia and Snake River Basins to save Salmon while providing hydropower, navigation and flood control benefits, the Puget Sound to save Salmon and restore and maintain water quality, in the California Bay Delta of the Sacramento and San Joaquin Rivers to save Smelt, protect and enhance water supply to southern California and farmers in the Central Valley, and mitigate against flood disaster and maintain navigation channels against potentially severe earthquake damage, and in the Missouri River Basin to protect Pallid Sturgeon and the Plover while maintaining flood control, hydropower, recreation and water quality benefits for 8 uncooperative states. This is hard work and experience, good judgement, honesty, consensus building through collaboration, and constant and effective communication are key elements to success.
7. Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds. Maintaining public trust and confidence, in light of all the ups and downs this SOIRLPP will endure over its initial 10 year lifespan, is critical. While there are no guarantees of success in this effort, a well-conceived communication plan with routine stakeholder engagement, public feedback and

appropriate response mechanisms, media engagement, showcasing even small successes, and so on are key aspects of it. I have worked with public funds my entire professional career and know the value of accountability, transparency, and good stewardship. I have testified before the U.S. Congress on multiple occasions about how federal funds are expended in executing the Corps of Engineers Civil Works Program (about \$5-6 B per year) and have participated in a multitude of public fora, meeting with Governors and Members of Congress and the Media, to inform them, to justify a priority, and win funding for it against many competing demands. Basing these justifications on sound science and engineering principles, and being honest about what is known and knowable, and what is unknown, and to what extent the unknown can become known is important in these situations. Clearly, putting the public good first, avoiding perceived or real agendas and conflicts of interest are paramount to success in such an effort. I have done it and know how it works at the federal, state and local levels of government and subscribe to the irrefutable tenets of accountability, transparency and good stewardship.

Additional Requirements

In addition to this application, a resume/CV and at least one letter of recommendation are required. The letter of recommendation can be a personal recommendation from a professional in the same field and/or an endorsement by a reputable nonprofit organization.

Send your application, resume, and letter(s) of reference to:

Marie Winkler, Administrative Assistant to the Director

Marie.Winkler@brevardfl.gov

Phone: 321-633-2016, Fax: 321-633-2029

JOHN ROBERT McMAHON, P.E.
BRIGADIER GENERAL, U.S. ARMY (RETIRED)

2121 Rockledge Drive
Rockledge, Florida 32955
703/901-9355 (cell)
jrmcm4737@gmail.com (home) john.mcmahon@ch2m.com (work)

CURRICULUM VITAE

PROFESSIONAL EXPERIENCE

Proposal Writer, CH2MHILL (December 2015 to present); Orlando, Florida

- Full-time participation in a classified proposal to the Government of Israel
 - As one considered for proposed Project Manager, wrote various sections and reviewed all aspects of the technical and financial proposal
 - Resulted in award of contract
- Full-time participation in a classified proposal to the Government of the United Arab Emirates
 - As the proposed Project Director, wrote various sections and reviewed all aspects of the technical and financial proposal
 - Pending client decision

Program Manager CH2MHILL, Korea Base Relocation Program (January 2014 to November 2015); Pyeongtaek, South Korea

- The \$10.7 billion Korea Base Relocation Program is currently in its ninth year and involves requirements identification, master planning, design and construction of 655 new and renovated facilities with associated utilities and C4I (Command, Control, Computers, Communications, Intelligence) infrastructure on approximately 3600 acres in support of U.S. Forces Korea and Korean Ministry of National Defense
- Over the past two years (2014-2015), was responsible for organizing and managing the construction effort (approximately \$4B in placement) with emphasis on quality assurance and safety, while leading an international Joint Venture (CH2MHILL and four Korean Firms) of 360 U.S. and Korean Nationals for the Program Management Consortium (PMC) formed to deliver quality facilities for the relocation and consolidation of 25,000 U.S. personnel (including families) on the Korean peninsula.
- Successfully managed this large, complex program in a foreign country working for two clients within different cultures and systems (U.S. and Korean), collaborating closely with clients and various authorities, and orchestrating the efforts of multiple contractors to deliver quality projects on time and within budget.
- Demonstrated a keen understanding of the intricacies of working with international partners and allies, the need: to deliver value for governmental clients and stakeholders; the need for effective continuous communication; the advantage of listening to clients and stakeholders; and the benefits of teamwork and collaboration to achieve challenging goals.

Various Activities (August 2012 to December 2013) in Brevard County and elsewhere including a \$300K renovation of our primary residence in Rockledge (one year), travelling to Southern Europe (six weeks), sailing throughout the U.S. San Juan Islands and the Canadian Gulf Islands (six weeks), performing in the local Cocoa Village Playhouse presentation of *Jesus Christ, Superstar* (three months—rehearsals and 16 shows), consulting for various Washington D.C. firms including SAIC and Burdeshaw Associates, performing legislative liaison duties and writing a monthly column for the Cape Canaveral Chapter of the Military Officers Association of America, and travelling throughout the continental U.S. to visit friends and family.

Division Commander, U.S. Army Corps of Engineers, Northwestern Division (November 2009 to July 2012); Portland, Oregon (Brigadier General)

- Provided leadership, command and control, oversight and direction to two regional headquarters (in Portland and Omaha) and five subordinate districts (in Portland, Seattle, Walla Walla, Kansas City, and Omaha) comprising over 4800 military and civilian personnel, encompassing a 14 state region covering the Columbia and Missouri River Basins to manage the nation's federal water resources infrastructure for economic growth, environmental sustainability, and national security (the Civil Works Program).

- Responsible for programming and executing an annual budget of over \$4B including: \$3B for the planning, engineering, design, construction, operations and regulatory programs of Civil Works to provide navigation-dredging, power generation, flood risk management, environmental restoration and recreation benefits; \$1B military construction (MILCON), real estate and installation support program to 14 Army and Air Force military installations; and \$600M environmental restoration programs. Support FEMA and partner with other federal (especially Bonneville Power Administration (BPA)) and state agencies, Tribes and stakeholders to optimize federal investments. Maintain close liaison and coordination with senior military leaders, Congressional members, federal agencies, Native American Tribes, 14 states' officials and a multitude of local officials. Plan and conduct inter-agency exercises to prepare for and respond to natural disasters (e.g. Cascadia Earthquake) or domestic attacks on critical infrastructure (e.g. locks and dams and hydroelectric power plants).
- While operating two major multi-purpose federal water resources systems, one in the Columbia-Snake River Basin, the other in the Missouri River Basin, provided three successive Fiscal Years (FY) (2010-2012) of benefits ranging from flood control, inland navigation, hydropower production, ecosystem restoration, water supply and recreation totaling over \$20B in value, with an annual \$2B investment (Operations and Maintenance(O&M) and large/small capitalization) in an environmentally responsible way.
- Revised and updated the Northwestern Division Strategic Plan for FY11-13, essentially a comprehensive business plan, to align it with that of the Headquarters and the Army Campaign Plan, and to focus the efforts of the Northwestern Division on those high priority missions.
- Actively led the Corps' participation in the ongoing litigation in federal court over the implementation of Biological Opinions covering endangered species of salmon within the Columbia/Snake River Basins in close collaboration with the 11 Agency Federal Caucus of the Pacific Northwest. Specifically, completed the Federal Columbia River Power System (FCRPS) remanded Biological Opinion (BiOP) to support defense of plaintiff's supplemental complaint in Federal District Court and signed the Record of Consultation and the Statement of Decision to reaffirm the Corps' commitment to implement the BiOP.
- Advocated for an implementable Levee Vegetation and Variance Policy in collaboration with regional counterparts from U.S. Fish and Wildlife Service and National Marine Fisheries Service based on current science and ongoing research that recognized the benefits of collaboration at all levels and addressed Endangered Species Act consultation requirements in a risk-based decision-making process. This effort culminated in the 2012 Levee Vegetation Research Symposium held over 28-30 August 2012 in Sacramento, California, and the subsequent revision and publication of new Corps of Engineers' Policy on levee vegetation and variances: U.S. Army Corps of Engineers Letter dated 21 March 2014 "*Interim Policy for Determining Eligibility Status of Flood Risk Management Projects for the Rehabilitation Program pursuant to Public Law 84-99*".
- Worked closely with Members of Congress and their staffs to secure \$44M in emergency funding for the remediation and repairs at Howard Hanson Dam near Seattle, WA, where flood damage potential exceeded \$3B in the highly risk-prone Green River valley; implemented the necessary repairs in a timely and cost-effective manner. Coordinated flood fighting activities throughout the Missouri River basin through the spring and summer of 2010, the worst since 1993.
- Given record runoff due to rain and snowmelt in the upper Missouri River Basin (MRB) in 2011 and subsequent unprecedented flooding throughout the MRB lasting over five months, conducted timely flood fighting operations to preclude serious downtown flooding in Bismarck, Pierre, Sioux City, Omaha and Council Bluffs, and many smaller communities; following the flood, ensured repairs to levees and dams were substantially completed before the next runoff season while making long term plans to enhance the capacity and resilience of the Missouri River mainstem reservoir system.
- Co-Chaired the Missouri River Flood Task Force and chartered the Panel of Independent Experts to publish "*Review of the Regulation of the Missouri River Mainstem Reservoir System During the Flood of 2011*" in December 2011, and by Northwestern Division, US Army Corps of Engineers: the "*2011-2012 Annual Operating Plan Missouri River Mainstem System*" in January 2012, the "*Post 2011 Flood Event Analysis of Missouri River Mainstem Flood Control Storage*" in April 2012, as well as the "*Missouri River Flood 2011 Vulnerabilities Assessment Report Volume I: Summary and Volume II-Technical Report*", in October 2012. These documents provided the scientific basis for how and why the Corps of Engineers managed the Missouri River Mainstem System in 2011 and 2012 to ensure future damage was responsibly avoided and the multipurpose system was repaired, restored and enhanced to account for a future significant flood event on the Missouri River.
- Partnered with the Bonneville Power Administration and Chair of the U.S. Entity of the U.S.-Canada Columbia River Treaty in the initial planning and coordination for the re-negotiation by U.S. Department of State (DoS) to prepare a set of regional recommendations for flood risk management, hydropower

generation and other needs in close collaboration with the Tribes, States and other stakeholders. As the Member of U.S. Entity for the Columbia River Treaty, formulated the regional collaborative approach in coordination with DoS, Council of Environmental Quality and National Security Council, to conduct a thorough technical analysis involving flood control, hydropower and ecosystem models and outputs to build regional consensus around a recommendation on whether to continue, terminate or modify the Treaty when it expires in 2024. Published the "*Columbia River Treaty 2014/2024 Review Phase I Report (Draft)*" on 3 June 2010 which led to the publication of the "*U.S. Entity Regional Recommendation for the Future of the Columbia River Treaty after 2024*" on 13 December 2013.

- Served for three years on the Coastal Engineering Research Board and the Mississippi River Commission, representing the interests of our regional stakeholders in the Pacific Northwest, and ensuring the Missouri River Basin issues relative to the greater Mississippi River Basin were taken into account.

Director of Engineering, U.S. Forces Afghanistan (January 2009 to October 2009); Kabul, Afghanistan (Brigadier General)

- Responsible for synchronizing and integrating the full-spectrum of engineer activities in accordance with Commander, U.S. Forces-Afghanistan, priorities. Duties include orchestrating the expansion of facilities for U.S. Forces in southern Afghanistan; executing the U.S. MILCON Program in support of U.S. Forces; integrating the Afghanistan Security Forces Funded facilities program in support of Afghan National Army/Police growth with Theater-wide construction program; and establishing the Task Force Power Electrical Safety program.
- Coordinated development efforts with U.S. Agency for International Development (USAID), and the Afghan Ministers of Energy and Water, and Public Works, aimed at building Afghan capacity; directed U.S. Title X real estate, environmental and de-mining activities in support of U.S. and coalition forces; and ensured adequate construction capability was available in theater. Worked closely with International Security Assistance Force (ISAF) and Coalition engineer staffs to facilitate planning and operations.
- Singularly responsible for the success of bedding down 30,000 additional U.S. forces and 120 additional helicopters by constructing and expanding Forward Operating Bases at eight separate locations scattered across southern Afghanistan in time to support the National elections in August 2009
- Established productive relationships with the Afghan Ministers of Energy and Water, and Public Works, to build Afghan civil capacity to manage infrastructure projects funded by international donors, and orchestrated USAID support and leadership for reconstruction and development efforts outlined in the U.S. government's Civil-Military Campaign Plan in support of the U.S. and NATO counterinsurgency strategy.
- Quadrupled the number of U.S. Route Clearance Platoons and equipment (from 16 to 68) for the counter-Improvised Explosive Device effort in Afghanistan as casualties and the threat increased.

Division Commander, U.S. Army Corps of Engineers South Pacific Division (August 2006 to December 2008); San Francisco, California (Brigadier General)

- Provided leadership, command and control, oversight and direction to the Regional Headquarters staff and to four subordinate districts (located in San Francisco, Sacramento, Los Angeles, and Albuquerque) comprising over 2200 military and civilian personnel, encompassing a six state region of the U.S. Southwest to manage the nation's federal water resources infrastructure for economic growth, environmental sustainability, and national security (the Civil Works program).
- Responsible for programming and executing an annual \$1.5B budget to: manage the planning, engineering, design, construction, operations and regulatory programs totaling \$700M annually for navigation-dredging, flood damage reduction, water supply and quality, recreation and environmental restoration benefits in the Sacramento-San Joaquin, Rio Grande and Colorado River drainage basins; supervise an annual \$600M MILCON, real estate and installation support to 25 Army and Air Force installations; and deliver an annual \$200M environmental restoration program. Support FEMA and partner with other federal and state agencies to optimize federal investments. Maintain close liaison and coordination with senior military leaders, Congressional members, federal agencies, Native American Tribes, six states' officials and a multitude of local officials. Plan and conduct inter-agency exercises to prepare for and respond to natural disasters (Earthquake) or domestic attacks on critical infrastructure.
- Completed construction of over 600 miles of fencing along the U.S.-Mexico border in support of the U.S. Customs and Border Patrol mission under extreme time, environmental and real estate constraints in 2008.
- Worked closely with California Department of Water Resources, Metropolitan Water District of Southern California, U.S. Bureau of Reclamation and other water agencies throughout California to resolve

- longstanding issues surrounding decades-long decline in the Bay Delta ecosystem, water supply and quality, navigation and flood risk at the confluence of the Sacramento and San Joaquin Rivers.
- Led the Corps' partnership with the Bureau of Reclamation in the formulation and subsequent ground breaking of the \$1.2B Joint Federal Project at Folsom Dam above Sacramento to address dam safety concerns and reduce flood risk to provide greater than 200 year level of protection.
 - In conjunction with the Folsom Dam improvements, worked with Sacramento Area Flood Control Agency (SAFCA) and local Congressional representatives to rehabilitate/upgrade and setback levees in and around Sacramento to reduce flood risk. Applying a risk-based approach to management of the Sacramento River System, chartered the conceptualization, research and publication of "*Documentation and Demonstration of a Process for Risk Analysis of Proposed Modifications to the Sacramento River Flood Control Project (SRFCP) Levees*" in June 2009 by the U.S. Army Corps of Engineers Hydrologic Engineering Center in Davis, California.
 - Sponsored in collaboration with other public and private entities a coordinated research effort focused on developing a scientifically based understanding of the effects of trees and other vegetation on and near levees in an effort to update and inform Corps of Engineer policy on levee vegetation and other levee performance issues (e.g. animal burrows and underground root systems). This effort culminated in the 2012 Levee Vegetation Research Symposium held over 28-30 August 2012 in Sacramento, California, and the subsequent revision and publication of new Corps of Engineers' Policy on levee vegetation and variances: U.S. Army Corps of Engineers Letter dated 21 March 2014 "*Interim Policy for Determining Eligibility Status of Flood Risk Management Projects for the Rehabilitation Program pursuant to Public Law 84-99*".
 - Served on the Coastal Engineering Research Board for over two years representing the interests of our regional stakeholders along the Pacific Coast of California.

Chief of Staff, Headquarters, U.S. Army Corps of Engineers (July 2004 to July 2006); Washington, D.C. (Colonel)

- Served at Headquarters, US Army Corps of Engineers, a major Army Command consisting of 34,000 Soldiers and Civilians with an annual operating budget of \$225M for the management of a \$23B overall program of Civil Works, Military Construction and support to the Global War on Terror. As the principal assistant and advisor to the Commander and Deputy Commander, three-star and two-star generals respectively, supervised, coordinated and synchronized the activities of the 800 person Headquarters staff.
- Responsible for leading, directing, coordinating, supervising, integrating, budgeting and training the Headquarters Staff including the eight Regional Headquarters. Directed and monitored the staff in executing decisions, plans or other final actions emanating from the Commander and Deputy Commander. Performed final review, coordination and clearance of internal and external staff actions involving policy, mission and operational decisions or guidance. Exercised delegated approval and signature authority for the Commander and took final action and resolution on recommendations by investigative boards and advisory committees to the Command.
- Conceived and published the new Chief of Engineers' "*Strategic Vision and Directions*" document, and instituted a transparent internal budgeting process where none previously existed based on consensus building in an environment of tightening budgets and intense scrutiny. Working with and through 4 senior general officers and 18 Senior Executive Service civilian leaders, resolved tough money, space and personnel issues; guided the Headquarters through the first ever successful DoD Chief Financial Officer audit; supported the Department of the Army initiative to divest itself of a cumbersome IT workforce by moving toward a contractor-governmental partnership to manage and deliver those services across the enterprise; drove the Lean Six Sigma initiative to streamline Department of the Army related processes.
- During and following the emergency response to four Florida hurricanes in 2004 as well as the Hurricane Katrina disaster in 2005, led the Headquarters through very stressful periods for the organization and an emotional time for many individual employees. Additionally, as the Corps assumed huge reconstruction missions in Iraq and Afghanistan, and unprecedented growth in the Military Construction program within the U.S., guided the Headquarters staff through a series of challenges including daily coordination of the civilian manning of the Corps' work at home and abroad in Iraq and Afghanistan.
- Resurrected the P2 automated information system, which had suffered from a lack of proper management oversight and leadership. This Corps of Engineers' initiative was undertaken to support life-cycle management of thousands of design, construction and Operations and Maintenance (O&M) projects worldwide. The P2 project integrated the existing suite of IT Software Tools for Project Management, Financial Management, and Construction Management with commercial Primavera Project Management software. The new approach began with hiring the right people and using the Systems Development Life Cycle (SDLC) for planning, analysis, design, implementation, testing, and maintenance to deliver this

integrated information management system. By chartering a Project Delivery Team to focus on facilitating smooth communication with the user base and their needs including easy user access, timely response, and user suitability, great progress and buy-in was achieved. A cradle-to-grave approach for organizing and managing contracts, deliverables, people and teams, was applied.

Commander, Japan Engineer District, U.S. Army Corps of Engineers (July 2001 to June 2004); Camp Zama, Japan (Colonel)

- As District Engineer for the Japan Engineer District headquartered at Camp Zama, Japan, lead over 300 U.S. civilian, military and Japanese National employees in executing a \$600M host nation funded Facilities Improvement Program and approximately \$50M in U.S. funded MILCON as the Department of Defense (DoD) designated design and construction agent for all U.S. Forces stationed in mainland Japan and Okinawa.
- Responsible for the health, welfare, morale, and training of this highly skilled workforce including those operating in eight Resident/Area Offices throughout Japan. Interacted regularly with Government of Japan officials and advised senior U.S. Commanders and Engineer Staffs on technical issues involving design and construction of facilities. Provided direct support to Service Component Commanders in contingencies and exercises through field engineering capabilities in coordination with the Pacific Ocean Division Regional Business Center.
- Immediately following the 9-11 attacks which changed the operating and security environment significantly, leveraged our close working relationship with Government of Japan (GoJ) officials to initiate and complete the \$60M Yokota Air Base runway resurfacing project; worked collaboratively with DoD and GoJ officials to complete design and construction of the strategic Sobe Communications facility on Okinawa; coordinated the politically-sensitive planning and design for the classified project to homeport a U.S. Navy nuclear powered aircraft carrier in Japan; and completed the design and construction of eight 250,000 gallon fuel storage tanks in support of various Korean peninsula hostility scenarios.
- Coordinated and participated in the Third World Water Forum in Kyoto, Japan, supporting the U.S. contingent led by the Chief of Engineers (and consisting of senior representatives from DoS, USAID, and Department of Interior) which included two keynote addresses by the Chief on Floods and on Water and Transportation issues, the signing of an international implementing agreement between Japan Ministry of Land, Infrastructure and Transportation, and the Corps of Engineers, and orchestrating several exhibits at the Osaka Exhibition Center which included a dynamic Riverine Model, Computer Simulation Models and other visual and hardcopy media for visitors.
- Developed and implemented a Leadership Development Program for the emerging leaders across the district, and organized, developed and led a Staff Ride for the district and Division-wide leadership to the Battle of Okinawa, a key battle leading to the early conclusion of WWII in the Pacific theater. Additionally, using ISO 9001 methodology, worked toward ISO certification for the District's key processes and specifically the adoption of the Corps' new Project Management Business Process (PMBP).

Division Chief, European Command and Pacific Command, National Imagery and Mapping Agency (NIMA) (June 1998 to June 2001); Reston, Virginia (Colonel)

- Officer in Charge of an 18 person team of military and civilian intelligence officers focused on delivery of timely, accurate and relevant imagery, imagery derived intelligence and geospatial information to U.S. European Command (EUCOM) and U.S. Pacific Command (PACOM) warfighters, peacekeepers, planners and operators. With a contingent of 12 forward deployed liaison officers and technical representatives, interacted daily with EUCOM and PACOM J2 (Intelligence) staff, their respective Joint Analysis Center/Joint Intelligence Center, service components and Joint Task Force operators to ensure uninterrupted support from NIMA.
- Collected and transformed EUCOM and PACOM requirements into specific, validated and prioritized production outputs by NIMA for mapping, targeting, and navigation products as well as for systems fielding and operations. Supported strategic and operational planning and interfaced daily with NIMA business units, and various DoD and Intelligence Community offices to plan, coordinate and execute actions.
- Responsible for providing operational imagery and mapping support to ongoing operations and/or emerging crisis situations globally. These included: ongoing No-Fly Zone support over Northern Iraq as part of a long-standing Operation Northern Watch, support to Coalition Peacekeeping Operations in East Timor led by the Australian Defense Forces, and crisis support to the P3 Orion aircraft forced landing on Hainan Island by Chinese Air Force and the immediate return of its crew and the eventual recovery of the aircraft.

Graduate Student, Industrial College of the Armed Forces (ICAF), National Defense University, (July 1997 to May 1998); Fort Lesley J. McNair, Washington, D.C. (Lieutenant Colonel)

- ICAF Program Objective: To conduct postgraduate executive-level study and research dedicated to the resources component of National Security with special emphasis on materiel acquisition and joint logistics and their integration into national security strategy. The program is designed to produce decision makers for positions of high trust and responsibility in the Federal Government. The multidisciplinary curriculum consists of seminars, individual study and research, two major exercises and field analysis of domestic and foreign industries. Strong emphasis is placed on analytical thought and communication skills and students are systematically evaluated on written work and classroom presentation.
- Electives oriented on in-depth professional development included: Congress and National Security Policy, Domestic Emergency Response Operations, Leveraging Executives and Organizations with Technology, Public Policy Formulation through Think Tanks, and a Northeast Asia Regional Security Study.
- Studied American Government in Action in Washington, DC, earning recognition in the Top 10% in Strategic Leadership and Decision Making and "Exceeded Expectations" in the Political Science Course.
- Studied Business in action by participating in the Environmental Industry Study, which focused on the growing impacts of climate change and environmental degradation in the US and abroad, and how businesses are responding to them, both as emitters/sources and as a business opportunity to prosper from their efforts.
- Travelled extensively throughout the US and to Panama, Crete, India, Malaysia, Hong Kong, and Hawaii to interact with international businesses and practitioners in environmental science and business field.
- Published an end of year "*Report*" on our findings and recommendations for refining U.S. policy to address various challenges (e.g. Climate Change) and other issues (e.g. aligning and harnessing international and business entities) and how to leverage the overall Environmental Industry to achieve U.S. policy objectives.

Battalion Commander, 70th Engineer Battalion, 1st Armored Division (June 1995 to June 1997); Fort Riley, Kansas (Lieutenant Colonel)

- Commanded a divisional combat engineer battalion attached to a heavy/mechanized combined arms brigade combat team in U.S. Forces Command at Fort Riley, Kansas. Responsible for maintaining combat readiness for short notice deployment on worldwide contingency missions, and the health, welfare, morale, training and discipline of over 450 soldiers, and their families, as well as the maintenance of over 150 tracked and wheeled vehicles and related weapons and equipment.
- Served as senior engineer advisor and provided engineering support to maneuver commanders, and managed a \$620K annual training and maintenance budget. Mentored, coached and taught 30 subordinate junior officers. Deployed to the National Training Center at Fort Irwin, CA, twice in ten months for two 30-day intensive "heavy" (i.e. Armor/Mechanized Infantry) training rotations.
- Planned and executed the engineering support for a Mechanized Infantry Battalion deployment to support peacekeeping operations in Bosnia—this included a two-week visit to U.S. Forces operating in Bosnia and the subsequent construction of a replication of the "battlefield in Bosnia" at Fort Riley to train U.S. forces as they prepared to deploy.

Professor of Military Science, Rose-Hulman Institute of Technology (RHIT) (July 1993 to May 1995); Terre Haute, Indiana (Lieutenant Colonel)

- Commanded a Reserved Officers Training Corps (ROTC) Battalion consisting of over 400 enrolled cadets with a staff of 10 military and civilian cadre at Rose-Hulman Institute of Technology including students from Indiana State University and DePauw University in Indiana. Responsible for marketing the program, recruiting and retaining cadets, motivating, training and evaluating cadets, and accessing and commissioning the future officer leadership of the US Army.
- Chaired the Military Science Department and served on RHIT academic committees including Rules and Discipline, Curriculum and Freshman Studies. Taught and mentored a senior class of 22 students each year for two years.
- Worked closely with President Samuel F. Hulbert and other key staff on the RHIT Campaign "Vision to be the Best", a multiyear effort to raise funds (first \$100M and then \$200M) for the benefit of students, scholarships, new facilities and Dr. Hulbert's quest to make RHIT a Co-Ed institution (at which he eventually succeeded). Won accolades from Dr. Hulbert and his Dean of Admissions, Chuck Howard, for my efforts to support the Campaign and the recruitment of women for their first year at RHIT (1995).
- Attended the annual Advanced ROTC summer training camp (5 June – 25 July 1994) at Fort Bragg, North Carolina serving as the Regimental Commander (Officer In Charge) for over 2500 cadets from colleges

and universities from all across the U.S. Supervised a cadre of over 50 officers and Non-Commissioned Officers assigned to evaluate cadets and ensure their safety as they performed their daily training tasks over a 45 day period. This was an intensive "leadership laboratory" experience for the cadets who rotated daily through a series of leadership positions for experience and evaluation.

- Developed and led students to various Civil War battlefields for "Staff Rides" at Perrysville, Kentucky, Chickamauga, Georgia, Gettysburg, Pennsylvania, and Antietam, Maryland. These Staff Rides were designed to engage students, first by their guided research into the various actors and units, tactics and technologies available at the time of the battle, and then to interact with fellow students at various key points on the battlefield to share their various insights and lessons learned.
- Developed and taught a new course, "Transition to Officership", in which practical topics were covered such as Military Law and Unit Discipline, Ethics, U.S. Army Training doctrine and practice, Supply and Property Accountability, the Role of the Non-Commissioned Officer, Counseling, Efficiency (Performance) Reports, Maintenance, Environmental Protection, Personal Finance and Insurance and other relevant topics..
- Developed and taught a sophomore level 20th Century Military History course at Indiana State University attended by both enrolled ROTC cadets and other interested students to positive reviews by fellow faculty and students alike.

Executive Officer, 10th Combat Engineer Battalion, 3rd Infantry Division (May 1992 to June 1993); Schweinfurt, Germany (Major)

- Second in command of the 450 soldier combat engineer battalion assigned to support a 4,500 man Mechanized Brigade Combat Team forward deployed in Germany. Responsible for the maintenance of over 150 tracked and wheeled vehicles and related weapons and equipment, and the synchronization of operations and logistics in training and combat operations.

Assistant Division Engineer, 3rd Infantry Division (May 1991 to April 1992), Weurzberg, Germany (Major)

- Served on the 3rd Infantry Division staff as the senior staff engineer focused on planning, synchronization and monitoring the combat engineer support for three Maneuver Brigade Combat Teams, the Division Artillery Brigade and the Combat Aviation Brigade, a total force of over 15,000.
- Worked closely with the Division Operations Officer (G-3) and the Division Engineer as well as the subordinate Brigade Engineers and their staffs to ensure success at the strategic and operational levels. Wrote annexes to operational orders and plans, and documented and updated Standard Operating Procedures (SOPs) for new equipment and capabilities, as well as for emerging Techniques, Tactics and Procedures.

Brigade Engineer, 3rd Brigade, 3rd Infantry Division (December 1990 to April 1991); deployed to Saudi Arabia with combat duty in Kuwait and Iraq during the First Gulf War (Major)

- Led a six man team assigned to the Brigade Headquarters to plan, synchronize, and monitor ongoing and future operations of the Brigade Combat Team consisting of two Mechanized Infantry Battalion and one Armored Battalion, a total of over 500 Combat vehicles.
- Performed admirably (earning the Bronze Star Medal) in 100 hours of intense combat as the Brigade Combat Team maneuvered over 100 miles across a wide swath of Northern Saudi Arabia, into Kuwait and across the border into Iraq while engaging and destroying several elite Iraqi Republic Guard Divisions; following cessation of combat operations, oversaw the destruction of over 7,000 tons of Iraqi ammunition and equipment, as well as the support to humanitarian operations to displaced persons on the battlefield.
- Before deployment from Germany, developed and presented to the Division Staff and Subordinate Unit Commanders and staff (about 200 Senior Officers) a combined arms breaching operations tutorial during a week-long warfighting seminar.

Director of Public Works, Aschaffenburg Military Community, (July 1990 to November 1990); Aschaffenburg, Germany (Major)

- Responsible for Engineering and Housing Directorate serving a military, civilian and family population of over 10,000. Lead and manage of staff of 200 U.S. and German National employees in providing quality of life support in Housing (government owned, leased and private rentals), maintenance and repair of community facilities and housing, environmental compliance and energy conservation, construction project identification, prioritization, design, inspection, funding and construction, fire protection and prevention, and contract administration for utilities and services for six camps, three military housing areas, the local training area and three remote sites. Planned and executed an annual budget of \$20 Million.

- In an extremely turbulent environment of budget cuts, base closures, reductions in force (layoffs), and re-organizations, calmly managed a highly technical workforce to stay focused on mission while planning for the future. Methodically planned and executed \$750K of work to effect repairs due to sudden unexpected wind damage to facilities, and supervised some high priority projects including the \$8 million elementary school addition, and the Fuel Point Environmental Compliance and Conversion project, while addressing a non-functional housing and furniture management office that was the source of many complaints and concerns.

Student, U.S. Army Command and General Staff Officer Course (August 1989 to June 1990); Fort Leavenworth, Kansas (Major)

- Rated Superior for Written Communication, Leadership Skills, and Research Ability.
- Earned award of an additional Skill Identifier (3Y), Space Operations via elective study.

Assistant Professor of Mathematics, Department of Mathematics, U.S. Military Academy (July 1986 to July 1989); West Point, New York (Captain/Major)

- Course Director and Assistant Professor (1987-1988) for Applied Differential Equations, responsible for supervising two Officer Instructors teaching an elective mathematics course to 154 sophomore level engineering students
- Course Director and Assistant Professor (1988-1989) for Linear Algebra, responsible for teaching an elective mathematics course to 41 junior and senior level engineering students, and teaching a Differential Calculus course to 18 freshman level students
- Instructor (1986-1987) for Differential and Integral Calculus and Applied Differential Equations courses, responsible for teaching freshman and sophomore level engineering students
- Conducted original research, published (as a co-author) and presented papers as follows:
 - "Knot Selection for Least Squares Thin Plate Splines" published in March 1992 edition of the SIAM Journal of Scientific and Statistical Computing
 - "An Enhanced Knot Selection Algorithm for Least Squares Approximation Using Thin Plate Splines" published in the Army Research Office Report 90-1 Transactions of the Seventh Army Conference on Applied Mathematics and Computing in 1990. This work was accomplished in 1989 during the last six months of my West Point assignment in which I was awarded a research grant to support it.
 - "Knot Selection for Least Squares Approximation Using Thin Plate Splines" published in the Army Research Office Report 88-1 Transactions of the Fifth Army Conference on Applied Mathematics and Computing in 1988
- Participated in various military training endeavors during the summer months to include: the training and mentoring of 41 cadets and its cadet cadre during their Cadet Field Training 28 June -9 August 1988.
- Coordinated the cadet Volunteer Summer Training (VST) program for the Department of Mathematics for cadets to participate in ongoing research projects at various Army labs including Aberdeen Proving Grounds, Yuma Proving Grounds, the Strategic Defense Initiative Organization, Los Alamos National Laboratory, Natick Laboratory and the Concepts Analysis Agency;
- Led a team of cadets to conduct original research at the Naval Postgraduate School in Monterey, California during the summers of 1987 and 1988. This project investigated via computer simulation and coding the optimal allocation of scarce maintenance teams to mobile missile launchers moving about a network to avoid detection and culminated in presentation of a paper at the 56th Military Operations Research Society (MORS) Symposium in June 1988. Also sponsored the continuation of this research on campus at West Point by one cadet leading to the integration of a modeling program onto the Department of Engineering VAX computer.
- Served as a Company Academic Counselor and sponsored three new cadets each year for three years at West Point and participated in the Military Science 101 leadership seminar including the annual visit to West Point by the Engineer School Commandant.
- Served as the Men's Varsity Tennis Team Officer Representative (1986-1989) responsible for organizing and leading many off-campus trips for collegiate competition, as well as coordination and supervision of spring break trips to California (1987) and Florida (1988), and sponsorship of the annual Fall West Point Invitational Tennis Tournament, hosting teams for across the Northeastern U.S. colleges and universities over a four-day tournament.

Graduate Student, Naval Postgraduate School, Department of Mathematics (July 1984 to June 1986); Monterey, California (Captain)

- Pursued a tailored course of study in Applied Mathematics at the Naval Postgraduate School (NPS) for the purpose of preparing for a subsequent teaching assignment in the U.S. Military Academy (West Point) Department of Mathematics; undertook research activities under the tutelage of Professor Richard Franke in the NPS Department of Mathematics. Oriented a good number of my courses around my interest in mapping, charting and geodesy as well as hydrographic surveying.
- Graduated and awarded a Master of Science degree in Applied Mathematics with Distinction
- Conducted original research, wrote and published my required thesis: "*Knot Selection for Least Squares Approximation using Thin Plate Splines*"
- Subsequently co-authored with Richard Franke and published for the Office of Naval Research a Technical Report for Period January 1986 – July 1987, a Naval Postgraduate School Report NPS-53-87-005 entitled: "*Knot Selection for Least Squares Thin Plate Splines*"
- Qualified to sail the Capri 22 based on satisfactory completion of the Red Cross Sailing Course

EDUCATION

Master of Science in National Resource Strategy (June 1998); Industrial College of the Armed Forces, National Defense University, Fort Lesley J. McNair, Washington, D.C.

- Environmental Focus Group with Field Study visits to Domestic and International Companies and Foreign Governments; Co-Authored a Written Assessment of the Environmental Industry: Global and Domestic

Master of Science in Applied Mathematics with Distinction (June 1986); Naval Postgraduate School, Monterey, California

- Thesis: "*Knot Selection for Least Squares Approximation Using Thin Plate Splines*", Naval Postgraduate School, 1986

Bachelor of Science in Biomedical Engineering, (May 1977); L.C. Link College of Engineering, Syracuse University, Syracuse, New York

- U.S. Army ROTC Scholarship
- Phi Delta Theta Fraternity Chapter Officer and Fraternity Dishwasher
- American Legion Scholastic Award, 12 April 1977

AWARDS AND RECOGNITION

2013 Colonel Marvin J. Harris Communications Award Winner, Legislative Coverage—Print, The Intercom, Large Chapter Category, Cape Canaveral Chapter, Military Officers Association of America, 10 April 2014

Congressional Record, Proceedings and Debates of the 112th Congress, Second Session, Senate, Volume 158, Number 61, Washington, D.C., April 16, 2012: "Tribute to Brigadier General John R. McMahon"

United States of America The Distinguished Service Medal, 21 March 2012

North Atlantic Treaty Organization Non Article 5 Medal, 23 October 2009

United States of America The Defense Superior Service Medal, 22 October 2009

Letter from United States Senator Dianne Feinstein, 15 January 2009

United States of America The Legion of Merit, 13 January 2009

Awarded the Army Engineer Regiment's Silver Order of the DeFluery Medal "for Inspirational Leadership", January 2009, presented by LTG Robert L. Van Antwerp, Chief of Engineers

United States of America The Legion of Merit, 27 July 2006

United States of America The Legion of Merit, 18 June 2004

United States of America *The Defense Superior Service Medal*, 30 July 2001

United States of America *The Meritorious Service Medal*, 11 April 1997

United States of America *The Meritorious Service Medal*, 8 May 1995

United States of America *The Meritorious Service Medal*, 11 June 1993

United States of America *The Bronze Star Medal*, 7 April 1991

United States of America *The Meritorious Service Medal*, 12 May 1989

United States of America *The Army Commendation Medal*, 13 November 1980

Rose-Hulman Institute of Technology *Outstanding Faculty Member of the Week*, letter from Dr. Samuel F. Hulbert, 4 November 1993

American Legion Scholastic Award, "presented annually to the Army ROTC Cadet who ranks highest in university and ROTC academics while simultaneously demonstrating achievement in university extracurricular affairs", at Syracuse University Chancellor's Review, Syracuse, New York, 12 April 1977

Army ROTC two-year scholarship award "having achieved a meritorious record in academic and military science studies, having demonstrated exceptional leadership potential, having expressed a desire to serve as an officer in the United States Army and having been selected on a competitive basis over other highly qualified Army ROTC cadets" signed by Martin R. Hoffmann, Secretary of the Army, covering tuition, books and a monthly stipend, 5 September 1975, commencing in the school year 1975-1976, Syracuse University, Syracuse, New York

Competitively selected to attend fully-funded graduate school commencing in the summer of 1984 in preparation for assignment to the U.S. Military Academy Department of Mathematics

Applied to and accepted for Ph.D. Program in Environmental Science and Public Policy at George Mason University in Fairfax, Virginia to begin Fall 1999; decided not to pursue this opportunity in lieu of continued military service.

Applied to United States Military Academy Department of Mathematical Sciences for position of Professor and Deputy Head, 23 June 1997. This position also involved obtaining a Ph.D. in mathematics, applied mathematics, statistics or related discipline within three years of appointment. Was one of two finalists interviewed at West Point for the position. The other candidate was selected.

Selected for designation in Army Functional Area 51—Research and Development, 26 September 1989, following teaching assignment and research conducted at West Point

PROFESSIONAL EDUCATION AND TRAINING

Military/Engineering

- U.S. Army Engineer Officers' Basic Course, 5 July 1977 to 13 October 1977, Fort Belvoir, Virginia; earned Superior Ratings in Extemporaneous Speaking and Formal Oral Presentation
- U.S. Army Atomic Demolitions Munitions Course, October 1977, Fort Belvoir, Virginia
- U.S. Army Engineer Officers' Advanced Course, 11 January 1981 to 15 July 1981, Fort Belvoir, Virginia; earned Superior Ratings in Oral Communications, Contributions to Group Work, and Research Ability, graduating in top 25% of the class

- U.S. Army Mapping, Charting and Geodesy Course, 10 September 1981 to 10 December 1981, Fort Belvoir, Virginia; earned "Exceeded Course Standards" Performance Summary as the #2 student of 16 in a highly technical course
- U.S. Army Combined Arms Staff Services School, 15 March to 18 May 1984, Fort Leavenworth, Kansas
- U.S. Army Command and General Staff College , 1989-1990, Fort Leavenworth, Kansas
- U.S. Army Facilities Engineering Management Course, July 1990, Fort Belvoir, Virginia
- U.S. Army Engineer Division, Europe, Job Order Contracting Basic Course, August 1990, Munich, Germany
- EURO NATO Training Engineer Centre (ENTEC) Battalion Commander/Staff Officer Course, 26 December 1991, Munich, Germany: NATO Organization, tactical and engineer operations in NATO, allied engineer organization and equipment, peacetime prepared obstacles, mission and responsibilities of the German Territorial Army and Wallmeister teams, procedures for transfer of obstacle sectors between engineers of different nations up to Division level
- Inter-American Dense College, Industrial College of the Armed Forces, Certificate for one semester course: "Latin America and the United States: Issues of Common Concern", 24 March 1998
- Mapping, Charting and Geodesy Staff Officer Course, National Imagery and Mapping College, 21 August 1998, Fort Belvoir, Virginia

General Officer Training

- General Officer Orientation Course, with Ethics Guidelines and Media Training, August 2006, Fairfax, Virginia
- Department of Defense Information Technology/Information Assurance Seminar, Mitre Corporation, February 2007, Tysons Corner, Virginia
- Ethics Course; Judge Advocate General's Legal Center and School, February 2007, Charlottesville, Virginia
- Army Strategic Leadership Development Course-Basic Course in conjunction with The Walt Disney Company, May 2007, Orlando, Florida
- Capstone General and Flag Officer Course, National Defense University, 3 October - 2 November 2007, Washington, D.C
- How the Army Runs Course, January 2008, Fort Belvoir, Virginia,
- Design Build Institute of America, Design-Build Process Training Course, California Polytechnic University, August 2008, San Luis Obispo, California
- Army Strategic Leadership Development Course-Intermediate Course, 30 January 2011- 5 February 2011, University of North Carolina Kenan-Flagler Business School, Chapel Hill, North Carolina

Other Training

- U.S. Naval Academy Cadet Seamanship Training Squadron—Sailing Instructor/Volunteer; awarded Senior Skipper (USN "D") Qualification by Director of Navy Sailing, 19 November 1998; conducted Midshipmen Summer Offshore Sailing Training Cruises from Annapolis, MD, to Newport, RI, and return, summers of 1998 and 1999

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

- Professional Engineer License: Commonwealth of Virginia (first Issued 1984, License Number 0402019855)
- Military Officers Association of American, Cape Canaveral Chapter (Lifetime Member)
- Association of the United States Army (Lifetime Member)
- Army Engineer Association (Lifetime Member)
- Society of American Military Engineers (Member since 1978)
- Mathematical Association of America (joined December 1984)
- Sigma Xi, the Scientific Research Society (joined May 1986)
- Design-Build Institute of America (joined August 2008)
- Member of the U.S. Entity of the Columbia River Treaty with Canada, responsible for implementing the Columbia River Treaty in the United States in coordination with the Government of British Columbia, to ensure flood protection, navigation and fish passage benefits for the United States including 21 Sovereign Indian Tribes in the Pacific Northwest (2009-2012)
- Member of the Mississippi River Commission, charged with the mission to develop plans to improve the condition of the Mississippi River, foster navigation, promote commerce, and prevent destructive floods, meets 3-4 times per year to listen, inspect, partner and engineer throughout the greater Mississippi River basin, 2009-2012
- Member of the Coastal Engineering Research Board, U.S. Army Corps of Engineers, responsible for guiding and prioritizing the research investments of the Corps of Engineers (2007-2012)

RELEVANT PUBLICATIONS AND REPORTS (SEE NOTE BELOW)

Note: As a public servant and government employee for many years, much of my work manifested itself as Technical Reports and other documents to which I contributed significantly and substantially in one of several roles including writer/author(*), reviewer(**), and sponsor/director(***). In many cases, this type of work does not get attributed directly to those responsible for participating in their creation. Nonetheless, these reports form the body of work to which one is professionally associated and as such are listed below with Asterisks indicating their relevance and my specific role in their creation.

U.S. Entlty Regional Recommendation for the Future of the Columbia River Treaty after 2024 on December 13, 2013**

Missouri River Flood 2011 Vulnerabilities Assessment Report Volume I: Summary and Volume II-Technical Report, in October 2012. by Northwestern Division, US Army Corps of Engineers*

Post 2011 Flood Event Analysis of Missouri River Mainstem Flood Control Storage in April 2012, by Northwestern Division, US Army Corps of Engineers***

2011-2012 Annual Operating Plan Missouri River Mainstem System in January 2012, by Northwestern Division, US Army Corps of Engineers**

Review of the Regulation of the Missouri River Mainstem Reservoir System During the Flood of 2011 in December 2011 by an appointed Independent Panel of Technical Experts***

Columbia River Treaty 2014/2024 Review Phase I Report (DRAFT) on 3 June 2010 by Northwestern Division, US Army Corps of Engineers**

Documentation and Demonstration of a Process for Risk Analysis of Proposed Modifications to the Sacramento River Flood Control Project (SRFCP) Levees in June 2009 by the U.S. Army Corps of Engineers Hydrologic Engineering Center in Davis, California***

U.S. Army Corps of Engineers Strategic Vision and Directions, Headquarters, U.S. Army Corps of Engineers, Washington, D.C., April 2005*

ICAF Report "Environment", co-authored with Environmental Industry Study Classmates, Industrial College of The Armed Forces, June 1998*

McMahon, J.R. and Franke, R.

1992 "**Knot Selection for Least Squares Thin Plate Splines**" published in March 1992 edition of the SIAM Journal of Scientific and Statistical Computing

1990 "**An Enhanced Knot Selection Algorithm for Least Squares Approximation Using Thin Plate Splines**" published in the Army Research Office Report 90-1 Transactions of the Seventh Army Conference on Applied Mathematics and Computing in 1990. This work was accomplished in 1989 under a research grant to support it.

1988 "**Knot Selection for Least Squares Approximation Using Thin Plate Splines**" published in the Army Research Office Report 88-1 Transactions of the Fifth Army Conference on Applied Mathematics and Computing in 1988

1987 Office of Naval Research Technical Report for Period January 1986 – July 1987, Naval Postgraduate School Report NPS-53-87-005 entitled: "**Knot Selection for Least Squares Thin Plate Splines**"

McMahon, J.R.

2003 **JED-DFAA: A Strong Partnership Continues**, Defense Facilities Technology Quarterly, 1 October 2003, Defense Facilities Technology Foundation

Featured "**In the Lead**", United States Military Academy 1986-1987 Monograph of Research Abstracts

Featured in **Design-Build Essentials**, Delmar, Cengage Learning, 2011, by Barbara J. Jackson, Ph.D., on Building Trust, Page 301

Featured in **Syracuse Engineer, Engineering in Action Magazine**, "Mother Nature Threw Us a Curve", by Tommy Clarkson, Volume 09, Summer 2011

CONFERENCE PAPERS AND PRESENTATIONS

- 1 October 2014 Kick Off Speaker and Presentation to America's Watershed Initiative (AWI) Summit Conference, "Water Quantity" Session, Louisville, Kentucky
- October 2013 Presentation to Brevard County Blue Badge Association, "Engineer Czar: Afghanistan 2009"
- 28-30 August 2012 Moderator, 2012 Levee Vegetation Research Symposium, California Levee Vegetation Research Program, Sacramento, California.
- 30 May 2012 Co-Chair, Missouri River Flood Task Force, presentation to the Federal Interagency Flood Management Task Force, 'Recommendations and Lessons Learned from the 2011 Missouri River Flood'
- 24 May 2012 Co-Chair, Final Meeting of Missouri River Flood Task Force, Omaha, Nebraska, and presentation

- 23 May 2012 Final Meeting and presentation to eight Missouri River Basin state Governors on *"2011 Flood Update and Way Ahead"*
- 19 April 2012 John T. Loucks Distinguished Lecture: *"Missouri River Flood of 2011: Way Ahead and Opportunities for an Improved System"*, 2012 Western South Dakota Hydrology Conference, Rapid City, South Dakota.
- 28 February 2012 Co-Chair Third meeting of Missouri River Flood Task Force, Omaha, Nebraska, and presentation, *"Status Report"*
- 12 December 2011 Co-Chair Second meeting of Missouri River Flood Task Force, Overland Park, Kansas, and presentation to *"establish ten Working Groups, assign leads and scope priorities of work"*
- 30 November 2011 Invited Testimony to United States House Subcommittee on Water resources and Environment, Committee on Transportation and Infrastructure, *"The Missouri River Flood: An Assessment of River Management in 2011 and Operational Plans for the Future"*
- 21 October 2011 Co-Chair of Kick Off Meeting of the Missouri River Flood Task Force, Denver, CO, and presentation to approve *Charter to "coordinate, collaborate and integrate various Federal Agency programs to effectively and efficiently implement post-2011 flood damage repairs and long-term comprehensive flood risk reduction strategies and plans"*
- 18 October 2011 Invited Testimony to United States Senate Committee on Environment and Public Works, *"A Review of the 2011 Floods and the Condition of the Nation's Flood Control Systems"*
- 17 October 2011 Meeting and presentation to eight Missouri River Basin state Governors on *"Opportunities to increase flood control focus by comprehensive means; recovery priorities and coordination"*
- 12 October 2011 Participated in Testimony made by Assistant Secretary of the Army (Civil Works) to Senate Appropriations Subcommittee on Homeland Security regarding *"The Federal Role in Disaster Response and Recovery"*
- 19 August 2011 Meeting and presentation to eight Missouri River Basin state Governors on *"Corps' plan for evacuating water from reservoir system and ensuring flood control is the Top Priority for the 2012 Runoff season"*
- 15 July 2011 Testimony before the *"Missouri River Working Group"* led by Senators McCaskill and Blunt from Missouri and Conrad and Hoeven from North Dakota
- June 1988 56th Military Operations Research Society (MORS) Symposium, *"Missile Maintenance Team Allocation within Airland Advanced Research Model (ALARM)"*, Naval Postgraduate School, Monterey, California, with co-author CPT Stephen K. Morrow

INTERESTS & ACTIVITIES

Sailing, Tennis, Golf, hiking, reading, travel



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, PORTLAND DISTRICT
PO BOX 2846
PORTLAND OR 97208-2846

Office of Counsel

29 September 2016

Ms. Marie Winkler
Brevard County Board of County Commissioners
Natural Resources Management Office
2725 Judge Fran Jamieson Way, Building A-219
Viera, FL 32940

Dear Ms. Winkler:

I am writing to whole heartedly recommend BG John McMahon (Ret.) to be a member on the Save Our Indian River Lagoon Citizen Oversight Committee. John's knowledge and expertise in water resource projects would perfectly complement the Brevard County project. Further, John's skills in working with a diverse team, including working with a multitude of local, state, and federal agencies, are outstanding and would undoubtedly add tremendous value to the committee and the project as a whole.

John and I worked together while he served as the Division Commander at the Northwestern Division, U.S. Army Corps of Engineers here in Portland from 2009 to 2012. During his tenure in Portland, I was first an attorney at the Northwestern Division and then at the Portland District, a subordinate unit of the Division. Throughout this time I advised John on a wide array of matters, including on various projects under the Corps' Civil Works authorities. The Corps' Civil Works program includes numerous water resources development activities including flood risk management, infrastructure, and ecosystem restoration. John was responsible for approximately 3500 employees over 14 states with a \$4 billion budget. In managing the Division's mission, he worked closely and effectively with Congressional members; federal, state, and local leaders; Native American tribal leaders; and, with staff and leaders within the organization and within U.S. Army.

Since the beginning of my federal career, I've worked with nine or more Division commanders at the Northwestern Division, and John was the most adept at fostering relationships with other entities. Likewise, John had tremendous ability at instilling confidence in his staff and making them more invested with a project. For instance, we worked closely on a program involving the maintenance standards for levees constructed by the Corps, but maintained by local drainage/levee districts. The Corps' standards had become more stringent and the local levee districts saw this as being more onerous for their operation of the levee systems. John was able to gain the respect of the levee districts and organizations by advocating, together with other federal agencies, for a variance policy which would maintain the integrity of the levees while allowing some flexibility to the standards. In addition, John's technical expertise as a professional engineer also allowed him to better understand and translate the concerns of the engineers and scientists, both internal and external to the organization, to find an implementable and reasonable solution.

In sum, John has the precise background to make him an extraordinary member and contributor to the Save Our Indian River Lagoon Citizen Oversight Committee: a strong technical background and expertise in water resources; phenomenal aplomb at coordination, outreach, and advocacy; and, an understanding of finance and economics. John would be an extraordinary asset to the project and to Brevard County. If you have any questions, please do not hesitate to call me at 503-808-4538.

Jennifer R. Richman
District Counsel



NATURAL RESOURCES MANAGEMENT OFFICE
2725 Judge Fran Jamieson Way, Building A-219, Viera, FL 32940

**Save Our Indian River Lagoon Citizen Oversight Committee
Volunteer Application**

Due: October 1, 2016

Name: karen McLaughlin
Mailing Address: 221 w. hibiscus St #135
City: Melbourne **State:** Florida
Zip Code: 32901
Phone: 321.848.8416 **Cell Phone:** 321.848.8416
Email: paddle@karenskayaks.com

Basic Requirements and Duties of Oversight Committee Members

Applicants must commit to serving the public interest by providing stewardship of Lagoon Trust Funds, especially in relation to restoring health to the Indian River Lagoon, and must demonstrate expertise and experience in one or more of the following fields: science, technology, economics/finance, real estate, education/outreach, tourism, or lagoon advocacy. Knowledge of the water quality issues and the major sources of pollution affecting the lagoon are highly desirable.

Members will oversee progress and make recommendations to the Brevard County Board of County Commissioners (BOCC) on spending an estimated \$303 million from sales tax revenue to **Reduce** pollution sources to the lagoon, **Remove** legacy pollution from the lagoon bottom, **Restore** natural systems within the lagoon, and **Respond** to new information by recommending annual amendments to the Save our Indian River Lagoon Project Plan (SOIRLPP). Duties will include participation in meetings to evaluate data to measure progress towards plan implementation and lagoon health, review technology and alternative project proposals for reducing pollutants and improving water quality, assess the cost-effectiveness of the projects, and recommend plan revisions accordingly. The Committee shall address questions, concerns, and ideas from the public to improve the SOIRLPP. Applicants must be willing to ensure that the SOIRLPP reflects the most effective, timely and responsible means to restore the Indian River Lagoon and that the Save Our Indian River Lagoon Trust Fund is managed in the best interest of the public.

Please complete the following questions and statements.

1. Do you reside in Brevard County? Yes X No Number of years 8

2. Are you willing to serve on the Committee for a minimum of two (2) years and be available to attend multiple weekday meetings annually, as needed? Yes No

3. Please check next to one or more of the following that best match(es) your expertise:

Science

Economics/Finance

Education/Outreach

Lagoon Advocacy

Technology

Real Estate

Tourism

FOR THE QUESTIONS BELOW, RESPONSES MAY BE UP TO ½ PAGE EACH

4. Please list one or more reasons why you are personally interested in applying to serve as a member of the Save Our Indian River Lagoon Oversight Committee.

I own and guide Karen's Kayaks a small eco tour business in S Brevard county. I am on the lagoon and tributaries daily and rely on the health of the lagoon and wildlife as a living. The kayak tours are small to sure ensure an intimate encounter with nature and wildlife. In addition, I just love the lagoon, paddling for work and pleasure with manatee, dolphins and alligators is just a joy. Sharing the amazing lagoon and wildlife encounters with locals and visitors is my passion.

Please provide a brief overview of your background and experience (education, professional experience, and community volunteer experience) as it relates to your understanding of the SOIRLPP and the restoration needs of the Indian River Lagoon.

20 years working in the federal and state courts as a paralegal. 6 years and currently Owner and guide of a small eco tour business in Brevard County. I am passionate about the IRL and and the wildlife so much so I based a business on it (you could say the IRL is my silent business partner). Responsible for the safety, enjoyment and education of people from 5 to 80 years old. Seeing the fish kill which narrowly missed S Melbourne and Lake O dumping in the south end of the IRL makes me sad, angry and want to take action in anyway possible. Making a 2 year commitment and being part of the solution to get the IRL and her tributaries on the path to healing is something I want to do. I can also further educate the folks/paddlers especially locals on the (SOLIRPP)

I am currently enrolled for my last segment of the UF Florida Naturalist Program (Uplands module) already completed the Coastal and Freshwater Models

I volunteer my time and kayaks several times a year with the city of Melbourne, Palm Bay and Keep Brevard beautiful not just as a community service but to give back to the lagoon.

5. Please describe what character, judgment, analytical, communication, and group consensus building strengths you would contribute to the purposes and duties of Save Our Indian River Lagoon Oversight Committee? Working in the court Federal Government (united states bankruptcy Court Southern District of FL) system as part of a big team I gained an understanding and skills for communicating both orally and writing with a vast number of institutions, court, lawyers, judges and the public. Following rules, guidelines, statutes and a strong mission statement. The kayak business has afforded me to interact with people from all over the world with different cultures, ideas and back grounds.

Please describe the importance of committee members putting public interests first and avoiding real or perceived conflicts of interest in making recommendations for expenditure of the Save Our Indian River Lagoon Trust Funds. It's probably the most important role of the committee. The committee members need to be fully transparent and use the best companies through research and due diligence.

References: Due to last day of deadline letter of reference was not attainable. Will submit next week as an addendum if allowed.

- 1) **Vince Lamb**
vince@vincelamb.com
- 2) **Debbie Seiler**
debbieseiler@gmail.com
321.412-4784
- 3) **Jennifer Thompson: City of Melbourne 321-608-5082**

Jennifer.Thompson@mlbfl.org
- 4) **Mike Conneen**
m.conneen@yahoo.com

Additional Requirements

In addition to this application, a resume/CV and at least one letter of recommendation are required. The letter of recommendation can be a personal recommendation from a professional in the same field and/or an endorsement by a reputable nonprofit organization.

DRAFT Application Form 9/30/2016

Send your application, resume, and letter(s) of reference to:

Marie Winkler, Administrative Assistant to the Director

Marie.Winkler@brevardfl.gov

Phone: 321-633-2016, Fax: 321-633-2029

Karen McLaughlin

221 W Hibiscus St #135, Melbourne FL 32901 | 321.848.8416 | paddle@karenskayaks.com

Education

**COLLEGE OF STATEN ISLAND, NEW YORK | 1986 | ASSOCIATES OF ARTS
ADELPHIA UNIVERSITY | 1989 | ABA LAWYERS ASSISTANT CERTIFICATE**

Skills/Certifications/Volunteer Affiliations

- UF/IFAS Florida Master Naturalist (Coastal and Freshwater Systems)
- CPR/Basic First Aid Certification American Heart Association (renew every 3 years)
- ACA American Canoe Association Kayak Instructor Level 1
- FPPA (Florida Professional Paddle Sport Association) Member Since 2012
- Florida SEE (Society for Ethical Ecotourism) Member
- RYT (Registered Yoga Teacher) Kripalu Yoga Teacher Association 200 Hour
- KBB (Keep Brevard Beautiful) 2 to 3 cleanups per year Volunteer kayaks and time as safety guide
- City of Melbourne and Palm Bay 2 events per year Volunteer Kayaks and time as safety guide
- Palm Beach County Department of Environmental Resources Management (DERM) 2009-2011

Experience

OWNER/GUIDE | KAREN'S KAYAKS | 2012-CURRENT

Eco kayak tour company in south Brevard county section of the Indian River Lagoon and its tributaries. Specializing in small intimate groups to ensure a personal connection with the guide and higher probability of wildlife encounters. As a Florida naturalist it adds science-based information and interpretive techniques and knowledge to the eco tours.

Our goal and mission statement is to connect people with nature, wildlife and encourage environmental awareness, respect and conservation.

KAYAK GUIDE | ADVENTURE TIMES KAYAK | 2008-2012

Large group multi guide tours with responsibility for the safety, comfort and enjoyment while on the water. Teach basic and advanced paddling technique and share history of area.

OPERATIONS LEGAL CLERK | UNITED STATES BANKRUPTCY COURT S DISTRICT FL | 1997-2008

Intake, review and file new cases and pleadings. Set deadlines, manage various case load through closing and maintain integrity of judge's court calendar. Represent the court with inquiries from the general public, counsel and journalist on high profile cases.

INTAKE PARALEGAL | STATE ATTORNEY'S OFFICE/BREVARD COUNTY FL | 1993-1996 PARALEGAL | FINKELSTEIN, BORAH & GOLDSTEIN., LAW FIRM NYC | 1984-1992



Date October 1st, 2016

To whom it may concern

I first saw Karen McLaughlin in 2012 at Honest John's Fish Camp while she was doing an Eco Tour for her business, Karen's Kayaks. I ran into her shortly after that in another area and again after that in a different area than the first two places. We eventually introduced ourselves and became friends from there.

Karen is a good candidate for the COC because she not only supports the Indian River Lagoon but the Indian River Lagoon supports her. From tourists to locals, Karen gives daily tours to help people enjoy our waterways. A lot of Eco Tour guides will point out a bird or manatee but Karen goes beyond that. Her enthusiasm and passion for the IRL is a great representation of what our community needs. Her tours are also loaded with hidden awareness that the IRL needs. I've seen her on the water countless times, always wearing a great big smile unless she had to report wildlife to FWC.

It wasn't until December of 2013 that I really got to know Karen. She joined myself and 4 others for a large portion of the IRL Paddle Adventure. A core group of 5 paddled from New Smyrna to Jupiter, raising money and awareness for the IRL. Karen and I paddled together for a nice length of that adventure and it was great to see what made her tick. She is not from this area and did not experience what I did while growing up here but she can paint a good picture of it from my stories and others. I know she is part of the 1000 people that move to this state daily but as far as I'm concerned, I consider her a local.

Karen continues to support local organizations and businesses by donating to their cause. In addition, she always makes time to bring extra kayaks out for the public to use at no cost during shoreline clean-ups. When taking people into consideration for the COC, I truly think Karen is a great candidate. She's a hardworking, passionate IRL advocate and just what we need in hopes to not lose sight of what this great estuary can be again.

Thank you for considering Karen to be part of the Citizen Oversight Committee.

Mike Conneen
Executive Director
(321)759-3585
mike@anglersforconservation.org

P.O. Box 372423 · Satellite Beach · FL · 32937
info@AnglersForConservation.org