



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Office of the Director
Reston, Virginia 20192

CITATION

FOR SUPERIOR SERVICE

ROBERT A. AYUSO

In recognition of his outstanding contributions to the mission of the U.S. Geological Survey (USGS) to provide unbiased, accurate, high quality natural science information.

The USGS is dedicated to preserving the integrity of the scientific activities it conducts as well as those that are conducted on its behalf. The USGS will not tolerate loss of integrity in the performance, use, or communication of scientific activities and their results. Following a recent allegation of the loss of USGS scientific integrity, and pursuant to the Department of the Interior's policy on the *Integrity of Scientific and Scholarly Activities*, the USGS convened a Scientific Integrity Review Panel to investigate the allegation. This Panel included Dr. Ayuso, a senior USGS scientist with the Eastern Mineral and Environmental Research Science Center, two other senior USGS scientists, and a professor from the University of Notre Dame. Forming a trusted, cohesive team, Dr. Ayuso and his colleagues conducted an extensive investigation into the allegation, contributing their collective, vast expertise to probe and evaluate significant scientific information. Dr. Ayuso and his fellow team members' thoroughness and dedication to determine the core factors of the issue were driven by a collective desire to protect the scientific integrity of the USGS as a world renowned provider of accurate natural science data that can be trusted by scientists and the general public. For his outstanding contributions, dedication, and commitment to scientific integrity, Dr. Robert Ayuso is granted the Superior Service Award of the Department of the Interior.

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Director



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JANET L. BABB

For her exemplary commitment to public education and outreach at the Hawaiian Volcano Observatory (HVO) of the U.S. Geological Survey (USGS).

Janet Babb led the media and outreach response to Kīlauea Volcano's June 27th lava flow which ultimately advanced more than 20 kilometers from the Pu'u 'Ō'ō vent toward the town of Pāhoā on the Big Island. The lava flow threatened to destroy houses, farmland, businesses, and a school if it had continued to advance. The flow also threatened to cross Highway 130 which would have isolated thousands of residents in the Puna District. As the HVO escalated the hazard warnings for the lava flow, Hawaii County's mayor and Civil Defense Agency sponsored numerous evening community meetings. During these meetings, HVO scientists gave presentations to concerned residents on the status of the lava flow and were available around specially-prepared map posters to answer individual questions. Ms. Babb coordinated this effort while also being involved in frequent media briefings, answering public questions via phone and email, coordinating public presentations, and organizing and participating in media interviews. These efforts were in addition to managing other "background" media and outreach requests regarding Kīlauea's summit eruption and restless Mauna Loa Volcano. Her response to the need for public outreach during the Puna lava flow crisis, and her substantial and continuous work on island-wide educational outreach including the development and leadership of the annual Volcano Awareness Month activities, have resulted in better understanding and awareness of volcano and earthquake hazards by Hawaii residents—the ultimate validation of her efforts. In March 2015, recognizing the HVO's outreach efforts led by Ms. Babb, the Big Island Press Club awarded their "Torch of Light" award to the team of scientists at the USGS HVO. For her exemplary management of outreach during the 2014-2015 Kīlauea lava flow crisis, Janet Babb is granted the Superior Service Award of the Department of the Interior.

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JILL S. BARON

In recognition of her outstanding efforts as founder and co-director of the U.S. Geological Survey (USGS) John Wesley Powell Center for Analysis and Synthesis.

The USGS recognizes Dr. Jill Baron for her many years of leadership of the Powell Center, transforming it from an idea, to a pilot project, to a thriving, internationally recognized science synthesis center. Dr. Baron's tireless coordination of USGS scientists working with the Powell Center has made it into one of the Bureau's most prolific and influential publishing organizations. The nearly 70 scholarly articles published by Powell Center Working Groups have been cited over 500 times and transformed scientific understanding on such cross-cutting societal issues as hydraulic fracturing, earthquake prediction, and climate change. Dr. Baron has also made the Powell Center an incubator for early career scientists and under-represented groups in science, emphasizing gender-balanced scientific teams, and shepherding recent graduates and postdocs into research roles alongside leading experts. The more than 600 Working Group members who have undertaken projects with the Center in Fort Collins, Colorado, have praised Dr. Baron's personal commitment to making both their professional and personal experiences with the Center as enriching as possible. Most recently, Dr. Baron has established strong linkages to other synthesis centers around the world, raising the profile of the Powell Center and the USGS with international researchers and integrating the leadership and science techniques developed at other centers into her Powell Center work. In her leadership of the Powell Center, Dr. Baron has shown a commitment to the high technical standards that characterize world-class science. For her outstanding contributions to the Powell Center and the USGS, Dr. Baron is presented the Superior Service Award of the Department of the Interior.

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PAUL M. BRADLEY

For his outstanding leadership and technical contributions to the National Water-Quality Assessment Program of the U.S. Geological Survey (USGS).

Dr. Bradley was a lead investigator on an integrated assessment of mercury in stream ecosystems in South Carolina and New York. Mercury is a pervasive contaminant of streams and lakes and has resulted in fish consumption advisories in all 50 States. Dr. Bradley along with researchers and technicians from multiple disciplines within the USGS, other Federal agencies, and universities came together to identify the key environmental processes within wetlands that control mercury transport, methylation, and bioaccumulation, and to incorporate these processes into models that can be used to inform the development of mercury management strategies. Early in the study, Dr. Bradley was instrumental in developing the study design, organizing intensive and complex, multidisciplinary field work, and interacting with all team members to ensure that data was consistent and that data-collection deadlines were met. He leveraged his expertise in ecology, hydrology, and biogeochemistry to contribute across all aspects of the assessment, including computer models that describe the transport and environmental reactions of mercury within wetland ecosystems; the importance of groundwater-surface water interactions on methylmercury production in wetland environments; and food-web studies. Dr. Bradley transformed large, complex data sets into easy to understand science messages that enhanced the use of USGS science to inform mercury management decisions. His work with USGS and U.S. Environmental Protection Agency (EPA) researchers led to novel research findings on mercury methylation, transport, and bioaccumulation being incorporated into environmental models to predict the effectiveness of new mercury regulations under contemporary and future climatic conditions (addressing EPA's Strategic Goal 2: Protecting America's Waters). Evidence of his contributions across multiple aspects of this assessment includes his role as lead author of 6 articles and as co-author on 19 publications. For his leadership and relentless pursuit of scientific excellence, Dr. Paul M. Bradley is granted the Superior Service Award of the Department of the Interior.

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STEVEN R. BRANTLEY

In recognition of his outstanding leadership contributions to the mission of the U.S. Geological Survey (USGS) through his work at the Hawaiian Volcano Observatory (HVO).

As Deputy Scientist-In-Charge at the HVO, Steven Brantley has provided outstanding leadership ensuring that the HVO continues to function as one of the world's premier volcano research centers. Under Mr. Brantley's dedicated and thoughtful leadership, several important HVO projects have been addressed and/or completed, including deferred maintenance, major infrastructure upgrades, and the HVO's need for sustained operations. For example, due to volcanic air pollution, the interior air at the HVO has, at times, been potentially hazardous to the employees' health. Through considerable effort and tenacity, Mr. Brantley supervised the installation of a new air-handling system to ensure good air quality in the building. He also successfully led the response to the HVO's rapidly growing need for a more state-of-the-art computer infrastructure. In addition, the HVO was facing a major problem with its rapidly deteriorating warehouse which contained historically significant and irreplaceable paper seismic records among other materials that represent the legacy of nearly 100 years of volcano research. Mr. Brantley organized and supervised the preservation of materials, demolition of the old warehouse, and the contracting, construction, organization, and transfer of material to the new warehouse. This effort was complemented by his reorganization of HVO's basement, which provided more efficient storage space including secure storage for image and document archives as well as work space to accommodate volunteers involved in digitizing and organizing HVO's archives. Mr. Brantley's dedication and outstanding leadership have resulted in vastly increased safety, higher efficiency, and improved morale among his colleagues. For his outstanding contributions to the USGS, Steven Brantley is granted the Superior Service Award of the Department of the Interior.

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CHERYL A. DAVIS

In recognition of her exceptional work as the Administrative Officer for the U.S. Geological Survey (USGS) John Wesley Powell Center for Analysis and Synthesis.

The John Wesley Powell Center is a scientist-driven institution where leveraging existing research efforts produces new insights and moves scientific understanding forward. Center collaboration is unique in the Federal Government and as such the administrative management of the Center requires a wide spectrum of specialized skills, including financial, travel, personnel, and space and logistics. As the Administrative Officer for the Center, Ms. Davis ensures these very complex activities operate smoothly. Because of her resourcefulness and wealth of experience in USGS administration, Ms. Davis is able to seek out policy-compliant means of transferring funds to and from travelers and organizations, manage the budgets of complex activities, and identify processes enabling the Center to staff the many positions needed including administrative, travel, computing, and web design and maintenance. She devised a funding model to align proposal/project lifecycle with fiscal year boundaries to maximize efficiency and ensure that ongoing projects could continue. Her model also determined funding projections that assisted management with estimating available resources for out-year Center projects. In addition, her ideas for promoting different kinds of activities, such as workshops and training opportunities, have brought new activity and resources to the Center. Ms. Davis was crucial to the acquisition, design, and furnishing of the current Center space at the Fort Collins Science Center which resulted in highly professional and welcoming space for the hundreds of visiting scientists from all over the world. Her thoughtful expertise frees the participating scientists to focus entirely on their scientific research without concern for logistical details. Without her continuous behind the scenes effort, the Center would not be able to produce the dozens of critical scientific papers that it has to date. For her outstanding contributions to the Powell Center and the science mission of the USGS, Cheryl Davis is granted the Superior Service Award of the Department of the Interior.

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PAUL S. EARLE

In recognition of his exceptional contributions and dedication to the U.S. Geological Survey's (USGS) Earthquake Hazard Program.

Dr. Earle has been a major contributor to the advancement of the USGS National Earthquake Information Center (NEIC). In his position as the scientist in charge of the 24/7 earthquake monitoring operation, Dr. Earle has demonstrated the highest level of dedication and service. He regularly responds to damaging earthquakes regardless of the day or time. He assumes enormous responsibility as a key response coordinator, making judgment calls on rapid characterizations of earthquakes where time and authoritativeness are of the essence. His decisions impact government officials, humanitarian response groups, and first responders around the world. He has led the USGS response to many high profile events, including the Magnitude 9.0 Tohoku earthquake of 2011 and the Magnitude 7.8 Kathmandu earthquake of 2015. Dr. Earle has significantly advanced NEIC operations and effectiveness through major computer systems upgrades, expansion of modeling capabilities, and development of monitored performance standards. He has been a key leader in the transition to a new Comprehensive Catalog of earthquakes (ComCat). He developed a suite of tools and procedures for quality control and review of regional and global earthquake catalogs, and he has worked closely with the owners of these catalogs to facilitate integration into ComCat. Through his efforts, ComCat is a high-quality source of earthquake information heavily used by Earth science researchers, policy makers, media, and the general public. Dr. Earle also has led the NEIC in the utilization of social media for earthquake detection and notification. His Twitter-based earthquake detector provides rapid situational awareness to the NEIC analysts, and his Twitter earthquake notification system expedites the release of USGS earthquake notifications to the public. Dr. Earle's many outstanding efforts and dedication have helped establish the USGS NEIC as the foremost source of earthquake information in the Federal Government. For his outstanding contributions to the USGS, Paul S. Earle is granted the Superior Service Award of the Department of the Interior.

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PAUL E. EXTER

In recognition of his outstanding leadership and exceptional contributions to the Enterprise Information Program of the U.S. Geological Survey (USGS).

Mr. Paul Exter demonstrated outstanding leadership in executing the recent cybersecurity sprint activities for the bureau. In April 2015, the Department of the Interior (DOI) discovered that the personnel data of 4.2 million current and former Federal Government employees had been stolen. This led to a Department of Homeland Security Binding Operational Directive and DOI cybersecurity sprint that required the USGS and other bureaus to mitigate critical Information Technology (IT) security vulnerabilities to protect sensitive data throughout the DOI. Mr. Exter was instrumental in the planning and execution of improving network security via heightened and accelerated two-factor authentication, security patching, vulnerability scanning, and privileged account reduction. These new cybersecurity requirements were fast tracked which required long hours, including evenings and weekends, to accomplish. Recognizing that the implementation of these security controls had the potential for widespread ramifications to USGS employees and their ability to meet their mission, Mr. Exter worked closely with DOI and USGS Leadership, Center Directors, and IT staff throughout the bureau to ensure that the impact was mitigated. His insight, creativity, and commitment to the USGS mission, along with constant communication during this difficult change were vital to the successful completion of the project. Despite many challenges, the USGS was able to meet and surpass all of the goals set by the DOI and the Administration. This effort was so successful that the USGS was cited as a model example of dealing with the cybersecurity sprint requirements. For his exemplary contributions, Paul E. Exter is granted the Superior Service Award of the Department of the Interior.

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JULIA L. FIELDS

In recognition of her outstanding contributions to the management and leadership of the National Geospatial Program of the U.S. Geological Survey (USGS).

Julia Fields is recognized for her significant role in managing the National Geospatial Program during a period of fiscal uncertainty and personnel transition. As the Deputy Director for the National Geospatial Program, Ms. Fields is responsible for implementing broad program guidelines and procedural policies, including administrative and technical direction for staff planning, training, and appraisal. Additionally, Ms. Fields directs the daily operations of the Program and ensures compliance with Bureau, Department of the Interior, and Federal requirements and requests. The Program recently underwent a significant change in senior leadership, and Ms. Fields provided tremendous stability, knowledge, and leadership to ensure the Program successfully met annual and strategic goals. During this transition period, Ms. Fields proved adaptable and versatile supporting both an acting Program Director as well as the permanent Director. Her experience and extensive knowledge of program capabilities and personnel were critical to the effective execution of major USGS programs like the 3D Elevation Program and National Hydrography Dataset. Ms. Fields proved particularly adept at providing valuable input to current budget activities and to longer term program planning to align strategic Program goals with those of the Bureau and the Department. Her exceptional professionalism and management expertise during a period of significant transition reflect great credit upon the National Geospatial Program, the Core Science Systems Mission Area, and the USGS. For her outstanding contributions and dedication to the management and leadership of the National Geospatial Program of the USGS, Julia L. Fields is granted the Superior Service Award of the Department of the Interior.

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CHRISTOPHER P. GARRITY

In recognition of his outstanding contributions to the U.S. Geological Survey (USGS) by providing state-of-the-art Web services and improving customer service.

Mr. Garrity has been a leader and key team member in USGS efforts to modernize its Web services. As a leader in the major task to completely overhaul the Web services for the USGS National Cooperative Geologic Mapping Program, Mr. Garrity's expertise was invaluable. Through his efforts, citizens and partners are able to obtain standardized geologic map information for the Nation with ease and in a large array of formats. In addition, Mr. Garrity's experience with Web design and methods to improve customer service were crucial to helping revitalize the National Geologic Map Database Web site. Many State Geologists have expressed appreciation for his efforts to make their State geologic map data more accessible to resource managers and the public. Mr. Garrity also proactively supported the President's call for open data across the Federal Government by making the entire Map Catalog of the National Geologic Map Database available through Data.gov. His redesign of the National Geologic Map Database *mapView* was recognized as such an effective and customer-friendly product that he has since provided his expert services to the National Geospatial Program to develop a similar product, *topoView*. This product is a tool that accesses the entire Historical Topographic Map Collection, a newly available collection of almost 200,000 maps that is already being downloaded by tens of thousands of citizens. In addition, Mr. Garrity served on the Core Science Systems Efficiency Team that brought significant savings to data management and data delivery for the entire Core Science Systems Mission Area. For these outstanding contributions to the USGS, Mr. Christopher P. Garrity is granted the Superior Service Award of the Department of the Interior.

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MARTIN B. GOLDHABER

In recognition of his outstanding efforts as founder and co-director of the U.S. Geological Survey (USGS) John Wesley Powell Center for Analysis and Synthesis.

The USGS recognizes Dr. Goldhaber for his many years of leadership of the Powell Center, transforming it from an idea, to a pilot project, to a thriving, internationally recognized science synthesis center. Dr. Goldhaber co-chaired the USGS Science Strategy Team and emphasized the importance of bringing together diverse groups of scientists to address societal challenges outside the traditional disciplinary structure. Through his subsequent efforts, this vision for the Powell Center has become a reality, and he has inspired interdisciplinary science across the USGS. Dr. Goldhaber's tireless coordination of USGS scientists working with the Powell Center has made it into one of the Bureau's most prolific and influential publishing organizations. The nearly 70 scholarly articles published by Powell Center Working Groups have been cited over 500 times and transformed scientific understanding on such cross-cutting societal issues as hydraulic fracturing, earthquake prediction, and climate change. His frequent communications with USGS leadership have helped ensure that the results of Powell Center Working Groups are integrated into broader USGS science activities. Dr. Goldhaber utilizes both his own extensive scientific experience and his professional contacts among leading scientists across many disciplines to represent the Powell Center and the USGS in a number of venues. He leads USGS representation at many high-profile international meetings and has highlighted and integrated the results of numerous Powell Center Working Groups into these cooperative international efforts. Dr. Goldhaber regularly assists Powell Center Working Groups to refine their scientific goals and ensure maximal societal benefit from their projects. In his leadership of the Powell Center, as in all aspects of his work, Dr. Goldhaber has shown a commitment to science and to the high personal and technical standards characterizing USGS public service. For his outstanding contributions to the Powell Center and the USGS, Dr. Goldhaber is presented the Superior Service Award of the Department of the Interior.

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ROBERT P. GRAVES

In recognition of his leadership and innovative contributions to the U.S. Geological Survey's (USGS) Nevada Water Science Center, Nevada National Security Site (NNSS) Studies Section.

Robert Graves has earned the respect of management and colleagues during more than 35 years of exceptional service to the USGS. His role has been one of coordinator, educator, and problem solver. His technical skills and methodical approach have directly benefited the Center and improved the quality and consistency of scientific data. Since 2000, Mr. Graves has worked diligently to provide hydrologic and geologic expertise to the U.S. Department of Energy (DOE) to address environmental and scientific issues at the NNSS and vicinity. Under his leadership as NNSS Studies Section Chief, the Center has consistently met the milestones, deliverables, data compilation and review deadlines, despite many operational challenges. Mr. Graves has admirably served the broader USGS mission by ensuring that NNSS water-level data is accurate, available, and presented to the public in a timely manner. During his tenure with the Center, the USGS, in cooperation with the DOE, developed and currently maintains a comprehensive database containing water levels measured from wells in and near areas of underground nuclear testing at the NNSS. The database has documented and described nearly 22,000 water-level measurements collected from discrete intervals in the wells since 1941. Mr. Graves' familiarity with the hydrology and water resources of the NNSS, coupled with an ability to communicate that knowledge, have been instrumental in the effectiveness of the USGS/DOE Cooperative program. Colleagues and partners alike hold Mr. Graves in the highest esteem for his friendly demeanor, sound judgment, and professional manner. For his outstanding contributions and untiring dedication to the USGS, Mr. Robert Graves is granted the Superior Service Award of the Department of the Interior.

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KIMIANNE L. LEE

In recognition of her outstanding leadership and exceptional contributions to the Enterprise Information Program of the U.S. Geological Survey (USGS).

As a financial specialist in the Office of Enterprise Information (OEI), Kimianne Lee has set the highest standards for herself and her colleagues in customer service to the bureau. She has a reputation for welcoming new challenges and performing in an exemplary manner throughout high pressure learning situations. She is recognized as an expert for thoroughly learning, interpreting, and applying new and changing regulations. During the past several years, Ms. Lee has been called on to provide her wide-ranging skills, experience, and advice for a number of critical financial and administrative issues. Her expertise in financial management and her acute analytical skills have been invaluable and particularly noted during the reorganization and separation of the OEI from the Office of Administration. With the negotiations on personnel and funding finalized, and the fiscal year 2015 apportionment released, Ms. Lee set out to complete the task of implementing and educating senior leaders on a new way of managing budgets in the OEI. This was especially complicated with the retirement or reassignment of four of the six OEI positions that supported the finance function in the office. Despite the loss in personnel and OEI's possible financial deficit, Ms. Lee provided the necessary leadership to establish fair and equitable budgets for each of the OEI branches. She has continued to follow through with meticulous monitoring and reporting activities. Ms. Lee's leadership contributions were significant in all phases of this challenging, yet successful, task. During this critical time, she also made recommendations for and ultimately implemented staffing and funding strategies that brought the office out of the deficit. Her dedication, high work ethic, mastery of professional skills, and attention to detail make her a truly valued employee and a role model for others. For her outstanding leadership and exceptional contributions to the USGS, Kimianne L. Lee is granted the Superior Service Award of the Department of the Interior.

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DAVID L. LORENZ

In recognition of his exceptional efforts to advance the technical capability of the U.S. Geological Survey (USGS) in the statistical analysis of water-resources information, through software development, documentation, and nationwide training and mentoring of USGS staff.

The USGS is renowned for its unbiased scientific data and research. Statistical analysis of water-resources information is fundamental to understanding data collected by the USGS. David Lorenz has worked diligently to provide leadership in assessment and analysis of water-resources information collected by USGS programs across the Nation. His professional bibliography includes more than 25 reports and journal articles. Mr. Lorenz's accomplishments, in particular his innovative work and leadership in advancing the science of statistical analysis of water-resources information, have been critically important to ensuring the integrity of the work done by USGS staff. He is a highly respected instructor and has shared his extensive knowledge of statistics, statistical software, and hydrology with those in the Minnesota Water Science Center, with staff from partner agencies, and with staff from other USGS science centers. In addition to his technical expertise, Mr. Lorenz has frequently participated in work-related outreach activities that help educate the public about USGS science. His familiarity with the hydrology and water resources of the Midwest, and his ability to communicate that knowledge, have been instrumental in the effectiveness of USGS programs in several States. This expertise has been integral in establishing monitoring programs and associated networks. Mr. Lorenz has continually sought to further the science of water resources of the Nation. During all of these activities, he has worked in a professional manner and has responded to the needs of partners by providing sound, expert analyses. His friendly demeanor, professional can-do attitude, and abundant helpfulness is a reflection of his dedication to the mission of the Bureau. For his outstanding contributions to the USGS, David L. Lorenz is granted the Superior Service Award of the Department of the Interior.

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VICKI LUKAS

In recognition of her outstanding leadership of the U.S. Geological Survey's (USGS) 3D Elevation Program (3DEP).

Ms. Vicki Lukas has served a critical role in leading the successful design and initial implementation of 3DEP. A complex and challenging interagency program, 3DEP requires significant coordination and cooperation between the USGS and its many stakeholders from across the country. With exceptional outreach and communication skills, Ms. Lukas deftly and strategically built a national network of Federal, State, local, Tribal, and industry 3DEP stakeholders. Her innate ability to cultivate existing relationships and develop new partnerships necessary for the launch of the program has resulted in 3DEP becoming a priority program for both the USGS and the Department of the Interior. Ms. Lukas was also responsible for leading the bureau's internal efforts to cooperatively fund data acquisitions with a diverse and enthusiastic group of stakeholders. Her efforts led to the National Geospatial Program Broad Area Announcement (BAA) which permits the National Geospatial Program to cost share data acquisitions with stakeholders resulting in tremendous savings for the Nation. The BAA process resulted in proposals representing a value of over \$51 Million over the last year. Ms. Lukas's diligence, creativity, and professionalism have allowed the 3DEP program to advance from an ambitious idea to a foundational program upon which years of science and civil decisions will be based. Her actions reflect great credit upon the National Geospatial Program and the Core Science Systems Mission Area. For her exceptional leadership of 3DEP, Vicki Lukas is granted the Superior Service Award of the Department of the Interior.

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CHARLES P. MATTHYS

For his outstanding contributions to the U.S. Geological Survey (USGS) in support of geographic cooperative projects.

Mr. Matthys' leadership and expertise have been crucial to the success of cooperative efforts between the USGS and the U.S. Census Bureau (Census) for the integration of Topographically Integrated Geographic Encoding Reference (TIGER) roads data into The National Map. As the USGS technical expert on the bi-agency Transportation Features Group (TFG), Mr. Matthys led USGS efforts to understand and document the differences between the USGS and Census requirements; evaluated the impact of those differences on both agencies' programs; and provided technical and resource recommendations to the USGS National Geospatial Program (NGP) management. Using his exceptional collaboration skills, Mr. Matthys worked daily with Census counterparts to coordinate and align data assessment operations for maximum efficiency and effectiveness. He led the development of data correction and exchange processes often personally researching and developing techniques beneficial to the operations of both agencies. He served on the leadership team responsible for overall guidance and direction of the efforts and had a leadership role in documenting and presenting TFG findings and recommendations to the Census/USGS Oversight Management Group. The approved recommendations led to a Memorandum of Understanding (MOU) between the USGS and Census for coordination and cooperation in the exchange and use of TIGER data in The National Map. Mr. Matthys is currently leading USGS implementation of the MOU resulting in vastly improved data being made available to the public. The use of TIGER data in The National Map has resulted in savings that has allowed for the purchase of commercial roads data. For his outstanding contributions to the USGS, Mr. Charles P. Matthys is granted the Superior Service Award of the Department of the Interior.

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CHERYL A. MORRIS

In recognition of her exceptional efforts in providing oversight to the informatics program of the Core Science Systems Mission Area of the U.S. Geological Survey (USGS).

Ms. Cheryl Morris has played a key role in establishing a formal program to address the rapidly growing area of informatics within the USGS Core Science Systems Mission Area. Informatics, the science of computer information systems, brings together several aspects of data management, information services, and high performance computing. Under Ms. Morris' direction, the Core Science Informatics Program was combined with the Biological Information Management & Delivery Program to create the Core Science Analytics and Synthesis Program. This was a challenge because despite their common focus these were two very different programs with different histories and cultures. Through her leadership, a single cohesive informatics organization was established that continues to provide vision, direction, and expertise in informatics for the USGS. Ms. Morris has also been instrumental in the bureau's involvement with the emerging area of "big data." She provided leadership for the development and management of large data holdings through a "how-to" website that assists USGS scientists with organizing data so they are more easily accessed, shared, and distributed. She also played a key role in the development of a USGS high performance computing capability using the Titan Super Computer in Oak Ridge, Tennessee. Access to this high-speed processor allows USGS scientists to address complex science questions in far less time, thus creating efficiencies with science resources. Ms. Morris continues to provide oversight support for the bureau's Community of Data Integration (CDI) which brings together over 500 scientists and data specialists on a monthly basis to work on ground-up data integration issues. The CDI recently was selected among 90 nominations to receive the 2015 Excellence Award from the American Council for Technology-Industry Advisory Council. This award reflects Ms. Morris's influence and passion for improving data access and integration within the USGS science community. For her outstanding contributions to the USGS, Ms. Cheryl Morris is granted the Superior Service Award of the Department of the Interior.

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LISA J. MORROW

For her outstanding contributions as a member of the Administrative team for the St. Petersburg Coastal and Marine Science Center of the U.S. Geological Survey (USGS).

During her time as a member of the St. Petersburg Coastal and Marine Science Center, Lisa Morrow has developed strong skills in financial tracking and accounting, staff development and training and internal and external customer service. In October 2014, because of her expertise, strong work ethic and excellent leadership traits, Ms. Morrow was asked by management of the Southeast Region to undertake leadership of a team which would affect the transfer of financial accountability and responsibility for all Deepwater Horizon Natural Resource Damage Assessment and RESTORE Act projects administered by the USGS. She used her knowledge and organizational skills to create an administrative process that demonstrates appropriate use of project funds. Although initially tedious to accomplish, the quarterly cost documentation package submitted to the U.S. Fish and Wildlife Service clearly identifies every purchase for each project she is administratively responsible to report on. Ms. Morrow was required to become familiar not only with the multi-agency projects, but the individual project funding distributed in the Southeast Region. Her creativity and leadership has been invaluable to projects that have grown to take up more than 50 percent of her time. In addition to increased project financial duties, Ms. Morrow has trained the new administrative staff that was hired to assist in the documentation of these projects to ensure compliance with the reporting requirements. She has earned the respect of her colleagues as well as USGS customers and partners through her strong work ethic, her attention to detail, and her unwavering focus on excellent customer service. Ms. Morrow regularly goes the extra mile to see a project to completion, taking responsibility for all phases regardless of task assignments. She always strives to do the best in her job, and does so with a good heart. She is an inspiration and a treasured rarity. No matter how busy Ms. Morrow is, she never loses sight of completing tasks with the upmost professionalism and positive attitude toward each and every customer. For her administrative expertise and inspiring leadership, Lisa Morrow is granted the Superior Service Award of the Department of the Interior.

Suzette M. Kimball
Acting Director



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Office of the Director
Reston, Virginia 20192

CITATION

JUL 23 2015

FOR SUPERIOR SERVICE

MARK D. PETERSEN

In recognition of his exceptional contributions and dedication to the U.S. Geological Survey's (USGS) Earthquake Hazard Program.

Dr. Petersen's leadership and expertise have been crucial to the success of the USGS National Seismic Hazard Mapping Project (NSHMP), which produces national-scale maps of earthquake shaking hazard on a six-year cycle. In 2008 and in 2014, Dr. Petersen led the NSHMP in the production of updated National Seismic Hazard Maps that incorporate new seismic, geologic, and geodetic information on earthquake rates and associated ground shaking. These state-of-the-art assessments are the most visible and impactful of all USGS Earthquake Hazards Program products. They are applied in seismic provisions of building codes, insurance rate structures, risk assessments, and other public policy, influencing trillions of dollars in new construction each year. In 2015, Dr. Petersen also led the USGS effort to develop a suite of end-member models that quantify the seismic hazard associated with induced seismicity in the central United States. Because induced earthquake sequences are characterized by rapidly changing rates of earthquakes, they do not lend themselves to traditional time-independent assessment methods, thus requiring a new approach to characterize the earthquake hazard. Dr. Petersen, working with colleagues from across the USGS, developed a suite of end member models, organized a workshop wherein these models were presented to over 150 participants from industry, academia, and government, and then prepared a highly visible Open File Report summarizing these models. Dr. Petersen also led the roll-out of the report, including preparing talking points, crafting a news release, and responding to a large number of media inquiries. For his outstanding leadership of the NSHMP and his contributions to the Department of the Interior strategic goal of serving communities by building a more resilient Nation, Mark D. Petersen is granted the Superior Service Award of the Department of the Interior.

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LYDIA M. RIVERA

In recognition of her contributions to the financial and administrative management of the Core Science Systems (CSS) Mission Area of the U.S. Geological Survey (USGS).

As a lead financial advisor in the Office of the Associate Director for CSS, Lydia Rivera is responsible for monitoring the budget execution status of all of the programs in the CSS Mission Area. Originally created from programs from several former disciplines, the CSS Mission Area was faced with integrating the financial practices of these disparate organizations. Ms. Rivera was a leading influence among the key CSS financial staff and developed a set of spreadsheets specifically designed to monitor and track the status of CSS projects and activities throughout the Mission Area. Through her in-depth knowledge of USGS financial processes and systems and her outstanding communications and customer service skills, she was able to implement the transparent financial practices that continue to enable the CSS Mission Area to run smoothly. In addition to her financial duties, Ms. Rivera took ownership of the realignment-related issues for hundreds of pieces of accountable property. She worked tenaciously for months with dozens of USGS staff to redirect the property to its appropriate home. This was a completely new activity for Ms. Rivera, and she not only mastered it quickly, she resolved this substantial challenge for the CSS Associate Director. Ms. Rivera also assumed the role of space manager for the CSS Mission Area and was responsible for ensuring the smooth office relocation of CSS staff at the USGS National Center. Her management of logistics was critical to the success of this long and complicated process, and she was heavily relied upon by not only CSS and Facilities staff, but also by the contractors responsible for doing the work. Because of her conscientiousness and attention to detail, all moves were completed in a timely manner with minimum disruption to the daily operations. For her exceptional dedication to the CSS Mission Area of the USGS, Lydia M. Rivera is granted the Superior Service Award of the Department of the Interior.

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JOSEPH V. SEGER

In recognition of his outstanding leadership and exceptional contributions to the Enterprise Information Program of the U.S. Geological Survey (USGS).

Mr. Joseph Seger demonstrated outstanding leadership in executing the recent cybersecurity sprint activities for the bureau. In April 2015, the Department of the Interior (DOI) discovered that the personnel data of 4.2 million current and former Federal Government employees had been stolen. This led to a Department of Homeland Security Binding Operational Directive and DOI cybersecurity sprint that required the USGS and other bureaus to mitigate critical Information Technology (IT) security vulnerabilities to protect sensitive data throughout the DOI. Mr. Seger was instrumental in the planning and execution of improving network security via heightened and accelerated two-factor authentication, security patching, vulnerability scanning, and privileged account reduction. These new cybersecurity requirements were fast tracked which required long hours, including evenings and weekends, to accomplish. Recognizing that the implementation of these security controls had the potential for widespread ramifications to USGS employees and their ability to meet their mission, Mr. Seger worked closely with DOI and USGS Leadership, Center Directors, and IT staff throughout the bureau to ensure that the impact was mitigated. His insight, creativity, and commitment to the USGS mission, along with constant communication during this difficult change were vital to the successful completion of the project. Despite many challenges, the USGS was able to meet and surpass all of the goals set by the DOI and the Administration. This effort was so successful that the USGS was cited as a model example of dealing with the cybersecurity sprint requirements. For his exemplary contributions, Joseph V. Seger is granted the Superior Service Award of the Department of the Interior.

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PETER W. SWARZENSKI

In recognition of his outstanding contributions to the mission of the U.S. Geological Survey (USGS) to provide unbiased, accurate, high quality natural science information.

The USGS is dedicated to preserving the integrity of the scientific activities it conducts as well as those that are conducted on its behalf. The USGS will not tolerate loss of integrity in the performance, use, or communication of scientific activities and their results. Following a recent allegation of the loss of USGS scientific integrity, and pursuant to the Department of the Interior's policy on the *Integrity of Scientific and Scholarly Activities*, the USGS convened a Scientific Integrity Review Panel to investigate the allegation. This Panel included Dr. Swarzenski, a senior USGS scientist with the Pacific Coastal and Marine Science Center of the Pacific Region, two other senior USGS scientists, and a professor from the University of Notre Dame. Forming a trusted, cohesive team, Dr. Swarzenski and his colleagues conducted an extensive investigation into the allegation, contributing their collective, vast expertise to probe and evaluate significant scientific information. Dr. Swarzenski and his fellow team members' thoroughness and dedication to determine the core factors of the issue were driven by a collective desire to protect the scientific integrity of the USGS as a world renowned provider of accurate natural science data that can be trusted by scientists and the general public. For his outstanding contributions, dedication, and commitment to scientific integrity, Dr. Peter Swarzenski is granted the Superior Service Award of the Department of the Interior.

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JORGE A. VAZQUEZ

In recognition of his outstanding contributions to the mission of the U.S. Geological Survey (USGS) to provide unbiased, accurate, high quality natural science information.

The USGS is dedicated to preserving the integrity of the scientific activities it conducts as well as those that are conducted on its behalf. The USGS will not tolerate loss of integrity in the performance, use, or communication of scientific activities and their results. Following a recent allegation of the loss of USGS scientific integrity, and pursuant to the Department of the Interior's policy on the *Integrity of Scientific and Scholarly Activities*, the USGS convened a Scientific Integrity Review Panel to investigate the allegation. This Panel included Dr. Vazquez, a senior USGS scientist with the USGS Energy and Minerals Program, two other senior USGS scientists, and a professor from the University of Notre Dame. Forming a trusted, cohesive team, Dr. Vazquez and his colleagues conducted an extensive investigation into the allegation, contributing their collective, vast expertise to probe and evaluate significant scientific information. Dr. Vazquez and his fellow team members' thoroughness and dedication to determine the core factors of the issue were driven by a collective desire to protect the scientific integrity of the USGS as a world renowned provider of accurate natural science data that can be trusted by scientists and the general public. For his outstanding contributions, dedication, and commitment to scientific integrity, Dr. Jorge Vasquez is granted the Superior Service Award of the Department of the Interior.

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ALAN T. WISER

In recognition of his outstanding leadership and exceptional contributions to the Enterprise Information Program of the U.S. Geological Survey (USGS).

Mr. Alan Wisser demonstrated outstanding leadership in executing the recent cybersecurity sprint activities for the bureau. In April 2015, the Department of the Interior (DOI) discovered that the personnel data of 4.2 million current and former Federal Government employees had been stolen. This led to a Department of Homeland Security Binding Operational Directive and DOI cybersecurity sprint that required the USGS and other bureaus to mitigate critical Information Technology (IT) security vulnerabilities to protect sensitive data throughout the DOI. Mr. Wisser was instrumental in the planning and execution of improving network security via heightened and accelerated two-factor authentication, security patching, vulnerability scanning, and privileged account reduction. These new cybersecurity requirements were fast tracked which required long hours, including evenings and weekends, to accomplish. Recognizing that the implementation of these security controls had the potential for widespread ramifications to USGS employees and their ability to meet their mission, Mr. Wisser worked closely with DOI and USGS Leadership, Center Directors, and IT staff throughout the bureau to ensure that the impact was mitigated. His insight, creativity, and commitment to the USGS mission, along with constant communication during this difficult change were vital to the successful completion of the project. Despite many challenges, the USGS was able to meet and surpass all of the goals set by the DOI and the Administration. This effort was so successful that the USGS was cited as a model example of dealing with the cybersecurity sprint requirements. For his exemplary contributions, Alan T. Wisser is granted the Superior Service Award of the Department of the Interior.

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