

EXECUTIVE SUMMARY

Broad, multi-faceted, long-term experience in executive management of public sector organizations

Strengths include:

- Leadership in multi-cultural environments and in changing and austere conditions
- Expertise in environmental and human security issues and their policy implications
- Persuasive communications: interagency, legislative advocacy, external representation
- Organizational management: program development, execution, evaluation, accountability
- Coalition building: working with constituent groups and stakeholders including governing boards, committees, volunteers, donors, customers, and other partners
- Building and retaining exceptional staff and creating supportive and high-functioning work environments

EDUCATION

University of Colorado Boulder, CO

Ph.D., Geography 2002

Dissertation: *Alaska's Militarized Landscape: The Unwritten Legacy of the Cold War*
(Boulder: University of Colorado)

U.S. Army War College Carlisle, PA

M.S.S., Strategy 2006

Strategy Research Project: *Lowering Total Fertility Rates in Developing States: Security and Policy Implications for Sub-Saharan Africa.* (Carlisle, PA: U.S. Army War College)

University of Alaska Anchorage Anchorage, AK

M.Ed., Educational Leadership 1999

Educational Administration Concentration

Pennsylvania State University University Park, PA

M.S., Geography 1991

Thesis: *Clearfield, Pennsylvania: Paradigm of a Declining Small Town.* (University Park: Pennsylvania State University)

U.S. Military Academy, West Point NY

B.S., Geography Concentration 1982

Thesis: *Codependency and Collateral Damage: Leadville, Colorado and the Climax Mine*

MILITARY EDUCATION/TRAINING

School for Command Preparation, Command Team Training

Military Education Level 1 – Senior Service College (U.S. Army War College)

Joint Professional Military Education Phases 1 & 2 (Joint Service Officer Qualification)

Command & General Staff College

Combined Armed Services Staff School

Military Intelligence Officer Advanced Course

Tactical Surveillance Officer Course

Electronic Warfare Staff Officer Course
Imagery Intelligence Officer Course
Tactical Exploitation of National Capabilities (TENCAP) Course
Military Intelligence Officer Basic Course
Airborne
Northern Warfare Course

Decorations, Medals, Badges, Awards

Legion of Merit
Defense Meritorious Service Medal
Meritorious Service Medal (3rd award)
Army Commendation Medal (3rd award)
Joint Service Achievement Medal
Army Achievement Medal
Afghanistan Campaign Medal w/ 2 campaign stars
National Defense Service Medal (2nd award)
Joint Meritorious Unit Award (2nd award)
Army Superior Unit Award (3rd award)
Global War on Terrorism Service Medal
Korean Defense Service Medal
Army Service Ribbon
Overseas Service Ribbon (2nd award)
NATO Medal
Parachutist Badge
Knowlton Award

Department of the Army Centralized Board Selections

Battalion Command
Professor of Military Science

Security Clearance

Top Secret w/ access to Special Compartmented Information (TS/SCI)

PROFESSIONAL EXPERIENCE

2012-present

CL-Homes

Anchorage, Alaska

Small business owner

Co-owner and manager of residential rental properties

2011-2012

National Military Academy of Afghanistan (NMAA)

Kabul, Afghanistan

Senior Advisor

Developed senior Afghan leaders' executive level leadership and management skills to include identifying key issues, setting priorities and establishing strategies for long term success while managing uncertainty and chaos

- Designed, guided and mentored development programs in strategic planning; results-driven program development; budgeting; performance measures; external communications
- Conducted outreach and represented NMAA across government of Afghanistan, public and private associations and 49 member nations of NATO International Security Assistance Force
- Supervised multi-disciplinary multi-national team members
- Guided programs leading to entry of first women, in an extremely contentious environment
- Provided oversight of contracts and Purchase Request and Commitment processes
- Operated in volatile, complex, rapidly changing conditions with shifting priorities and deadlines
 - Highly proficient in risk management, making timely decisions in uncertain environments

2010-2011

US Military Academy

West Point, NY

Researcher, Analyst, Writer, Editor

On sabbatical status taught, researched, developed scholarly manuscripts, edited, provided service and leadership to national and regional professional organizations

- Co-edited a scholarly book on Pakistan's natural and cultural resources now in use to inform US operational and strategic policymaking, by guiding a distinguished and multi-disciplinary group of researchers and authors
- Taught Geography of Global Cultures to 30 undergraduate students and provided oversight and guidance on student research

2010

National Military Academy of Afghanistan (NMAA)

Kabul, Afghanistan

Academic Advisor

On special assignment provided leadership and guidance in program development, emphasizing incorporation of original research into curriculum; budget and contract cycles; program execution; program and resource accountability; human resources management skills

- Introduced original research components into senior-level undergraduate courses
- Established NMAA's academic advising program
- Co-chaired committee to revamp a marginally functioning recruitment and admissions program
- Provided education and training in course development, pedagogical skills (curriculum, instruction,

assessment), learning theories, and research methodologies to 18 Afghan faculty

- Emphasized interdisciplinary and collaborative approaches
- Developed performance standards and assessment devices
- Strategic planner for 2012 inclusion of women into NMAA student body
- Presented graduate level seminars in environmental and human systems to 40 instructors
- Worked intimately with peoples of diverse cultures—3 nationalities, 8 ethnic groups—in an environment of respect, professionalism, trust

2006-2010

Department of Geography & Environmental Engineering, US Military Academy

West Point, NY

Program Director

Directed a complex division with 17 staff/faculty, 2 undergraduate degree programs, \$4.2 million annual budget, 19 academic courses with total enrollment of 1600+

- Designed and executed innovative outreach and research programs: research collaborations, scholarly presentations, visiting scholar residencies, guest lecture series; cadet clubs and honor societies; cultural immersion experiences; summer internships to government agencies, businesses, and NGOs
 - Directed honors research program; taught courses in research methodologies; approved research plans and thesis proposals; guided 38 theses from initial research design through publication and presentation
 - Advised and approved post-graduate research plans for faculty; assisted faculty in applying for research grants; obtained programmatic funding for faculty research from government agencies and private sources
 - Oversaw research in socio-cultural data collection and analysis for Network Science Center's counterterrorism work in support of 2012 Summer Olympics and for Threat Reduction Agency's homeland security integrated database
 - Oversaw research program of cooperating faculty and undergraduate scholars to increase operational capacity of the Environmental Analysis Division, Defense Intelligence Agency
 - Faculty publications and scholarly presentations increased by 35% and student participation in regional and national meetings increased by 200% as a result
 - USMA chapter of international geography honor society, two time winner National Chapter of the Year
- Consultant in environmental security, human security and public policy to:
 - Environmental Analysis Division, Defense Intelligence Agency
 - Defense Threat Reduction Agency
 - Environmental Change and Security Program, Woodrow Wilson International Center for Scholars
 - U.S. Training and Doctrine Command Culture Center Interagency Working Group
 - U.S. African Command (AFRICOM) Working Group, Center for Strategic Leadership
 - Assistant Secretary of Defense for Operational Energy
 - *Los Angeles Times*
- Designed programs for and led organizational self-assessment, improvement and change
 - Created, implemented and reviewed first internal program objectives and activity goals
- Supervised a geographically dispersed organization as faculty and students operated abroad
- Developed and managed multi-year budgets, continually rebalancing and reprioritizing
 - Expert in resource constrained operations: developing funding streams, streamlining processes,

renegotiating suboptimal contracts, eliminating unnecessary spending

- Peer reviewer, *Journal of Cultural Geography*

2008

US Army Human Terrain System

Baghdad, Iraq

External Program Evaluator

On special assignment as part of an inter-disciplinary team, investigated and evaluated the Human Terrain System, a \$20+ million program leveraging social and environmental science and field research to provide military commanders in Iraq and Afghanistan an understanding of local ethnographic and environmental conditions

- Consultant to operational leaders on using human and environmental understanding to achieve just and insightful decisions in the field
- Collaborated with officials within Department of the Army and other Federal agencies
 - Offered specific proposals for programmatic modification to lead, leverage, adjust, promote, and reform the program given changing conditions
 - Recommended systematic improvements leading to increased emphasis on human and environmental security
 - Ensured dissemination of final products among stakeholders and emplaced methods within social media for discussion, opinion sharing, and suggestions for further study

2005-2006

US Army War College

Carlisle, PA

West Point Fellow

Performed research and analysis on demographic security, exploring U.S. policy toward decreasing fertility rates in Sub-Saharan Africa and links among high birth rates, environmental and human insecurity, and state instability

- Established collaborative research partnerships with U.S. Agency on International Development; Population Reference Bureau; Population Action International; Environmental Change and Security Program, Woodrow Wilson International Center for Scholars; National Security Issues Branch, Center for Strategic Leadership, U.S. Army War College
- Honed expertise in knowledge directly related to leading complex ecological organizations
 - strategic leadership; policymaking and politics; human relations; environmental security (environmental viability for stability and human development); geography and U.S. national security (role of energy, water, minerals, rare earth elements, agriculture and land use, petroleum, carrying capacity on U.S. strength and vulnerability)

2003-2005

Department of Geography & Environmental Engineering, US Military Academy

West Point, NY

Deputy Program Director

Director of the Physical Geography core course and Deputy Director of the Geography Program

- Provided professional and academic leadership and guidance in training and program development to 13 diverse faculty
- Implemented a core course for 1,200 students per year; introduced study of climate variability and change, enhanced study of cultural ecology

Laurel J. Hummel



- Attained Master Teacher certification from USMA Center for Teaching Excellence
- Professional Military Ethic Education group leader and advisor
- Set laboratory budget and provided quality control of the budgeting cycle to the Director
- Planned and led orientation workshop for all new employees each year: developed leadership and professional skills, identified developmental and training needs, increased team buy in

2000-2002

Department of Geography, University of Colorado

Boulder, CO

Doctoral Candidate/Researcher

Explored the cultural, economic, and environmental legacy of U.S. military's investment in Alaska

- Indicated the importance of the military influence during the Cold War as a culturally dominant and economically hegemonic agent of Alaska's landscape development, with enduring implications and effects to Native communities
- Developed "*Illitquisat*: Indigenizing Alaskan Public Education" in alignment with Alaska Rural Systemic Initiative to recognize infusion of culturally meaningful practices into traditional educational curricula
- Guest lecturer to The War Environment course

1996-2000

Alaskan Command (ALCOM)

Elmendorf Air Force Base, AK

Operations Intelligence **Division Chief** and Joint Intelligence Support Element (JISE) **Director**

Managed production of operational intelligence for ALCOM in support of air sovereignty, joint training, rapid deployment of global contingency forces, assisting authorities during civil emergencies

- Planned and directed large scale intelligence analysis studies and projects
- Oversaw counterintelligence program, conducted counterintelligence analysis
- Conducted strategic and operational analysis of field intelligence
- Reviewed, approved and disseminated finished intelligence products
- Established and supervised 6 x 50 member ad hoc organizations from scratch in support of crisis operations/exercises providing intelligence reporting and predictive analysis
 - Developed and delivered promotional media to attract highly qualified personnel
 - Rapidly integrated and trained hand-picked augmentees from all military services
 - Led JISE during 24/7 operations under continual stress of providing actionable intelligence
- Produced critical improvements including first near-real-time nationally-derived imagery to field ground forces and elimination of redundant operations, speeding the joint crisis action process
- Led intelligence division for one of the military's first Consequence Management Exercises
 - Supported action plan and execution to protect public health and safety, restore essential services, and provide emergency relief to those affected by chemical, biological, nuclear conditions
 - Successfully operated in a new mission area without clear guidelines or established processes
 - Recommended doctrinal changes to joint intelligence operations for Consequence Management
- Liaised with other federal, state, and local agencies and other stakeholders to provide timely effective response during all types of civil emergencies within Alaska
 - Controlled Joint Crisis Action Team intelligence arm in 3 exercise scenarios, 2 real-world emergencies
 - Extensive forest fire and volcanic eruption

Laurel J. Hummel

- First observation of the need for resource protection in ALCOM exercises
- ALCOM-led ground, sea, and airborne forces provided emergency support and rescue

1995-1996

102nd Military Intelligence Battalion

Camp Essayons, Republic of Korea

Operations Director

Director of all operations, training, armistice and wartime planning for a 600 member organization; Commander's primary reviewer of organizational management

1991-1994

Department of Geography & Environmental Engineering, US Military Academy

West Point, NY

Instructor/Assistant Professor

Designed, directed and taught undergraduate courses within the Geography program; as department Equal Opportunity (EO) program manager, conducted EO training and investigated complaints; as volunteer Cadet Glee Club officer advisor, directed publicity, conducted fundraising campaigns, planned and executed transportation and logistics for 17 domestic and international tours

1986-1989

224th Military Intelligence Battalion

Hunter Army Airfield, GA

1988-1989

Company Commander

Responsible for safety, welfare, morale, discipline, training, operations, maintenance, accountability, security, emergency operations, and fiscal stability of 190 people in 22 diverse occupational specialties engaged in a three way split-based intelligence mission in the U.S. and Central America

1987-1988

Human Resources Director

Chief of Human Resources for a 650 person organization; responsibility for eight separate human resources and associated programs, as well as external affairs, outreach, and marketing; oversaw subordinate unit Equal Opportunity programs

1986-1987

Intelligence and Security Director

Directed personnel security investigations, counterterrorism and counterintelligence operations, security education and physical security for a 650 person, 80 vehicle, 23 aircraft organization with \$1 billion of sensitive equipment in three locations, one in Central America

1983-1986

24th Infantry Division

Fort Stewart, GA

1985-1986

Division Chief, Intelligence Plans and Production

Directed a 13 member section producing division-level operational intelligence and intelligence plans; developed current intelligence analysis, intelligence products for contingency battle plans and exercises,

threat evaluation, environmental/weather effects analysis, identification/evaluation of collection targets

1983-1984

Communications Platoon Leader

Responsible for safety, welfare, morale, discipline, training, operations, maintenance, accountability, security, emergency operations, and fiscal stability for 31 people in 5 occupational specialties and \$3 million of communications and other sensitive equipment; simultaneously managed a dining facility with 37 personnel and a \$2 million budget, and supervised repair and maintenance programs for 51 vehicles, 27 generators, 16 classified communications systems

ADDITIONAL EXPERIENCE

2009-2012

Association of American Geographers

National Councilor

Elected member of the national council (board of directors) of the Association of American Geographers (AAG), 10,000+ member flagship professional organization of the discipline; Officer of the Middle States Division, AAG

- Determined Association policies and procedures, provided governance of organization
- Reviewed, evaluated and confirmed or disapproved proposals from subordinate bodies
- Oversight of budget, appointment of committees and staff
- Evaluated program performance, built strategic coalitions
- As an officer of Middle States Division, AAG, helped plan and execute all aspects of three regional multi-day scholarly conferences with attendance of 100+
- Assisted development of outreach programs to benefit developing regions and underserved ethnic groups
 - Emplaced Developing Regions Membership Program to offer AAG member benefits and gateways to new global cohort of colleagues
 - Assisted in reconstitution of Haiti's National Center for Geospatial Information after the 2010 earthquake
- Assisted in developing consensus of support for regulatory proposals to the U.S. Department of Education and Congress regarding programmatic standards and quality of K-12 geography education in the US

2009-2012

Association of American Geographers

Member, Committee on Scientific Freedom and Responsibility

Analyzed cases of alleged infringement of scientific freedom affecting research and publication

- Liaised with Department of Education, National Academy of Sciences, teachers and professors unions, American Civil Liberties Union
- Conducted interviews, collected evidence, analyzed data, and negotiated committee opinions
- Evaluated solutions to ensure all issues were identified and considered and law/policies satisfied
- Proposed adoption of updated and clarified professional guidelines; accepted ensuing controversies

2009-2012 and 2004-2007

Association of American Geographers

Member, Committee on the Status of Women in Geography

Consulted with U.S. government and non-governmental organization officials and other stakeholders to address women's participation in the discipline and representation in leadership positions

- Proposed regulatory changes to AAG policy concerning the status of women in geography
- Developed industry and government partnerships with AAG toward support of women geographers

2007-2010

Chair, US Military Academy Cultural Perspective Goal Team

Chaired a multi-disciplinary group of 12 senior faculty and staff in developing successful methodologies for graduates to achieve USMA's Cultural Perspective Developmental Goal: clear goal standards; metrics for success; assessment devices; reliable evaluations; appropriate placements; strategies driving improvement

- Devised and executed research as part of this institutional self-review committee
- Evaluated proposals to adjust goal framework, recommended re-engineering if suitable and feasible
- Supported expansion of USMA's international programs and intercultural initiatives

2007-2009

Co-Chair, US Military Academy Admissions and Retention Self-Study Committee

Co-led a group of 10 senior faculty and staff on an institutional self-review in preparation for Middle States Commission on Higher Education's (MSCHE) decennial accreditation of USMA

- Developed and executed a complex methodology for institutional self-assessment of policies and performance in admissions, transition, and retention; applied research methods and assessment protocols to analyze the institution's conditions in these areas; based on research results, recommended reinforcing strategies to address weaknesses in access and outreach programs, transition programs, advising, counseling, and other student services
- Addressed extremely contentious issues regarding racial, ethnic, and other key types of diversity
 - Laid bare institutional rationale and methods for determining Class Composition Goals which guide USMA in shaping its incoming classes
 - Liaised with partners and stakeholders to research laws, regulations, and culture driving admissions, support, and retention policies
 - Gathered and analyzed applicable data and relevant research on race, ethnicity, and gender
 - Initiated actions to address differences and resolve conflicts regarding the constitution of an inclusive and diverse Corps of Cadets
 - Evaluated all inputs and developed sweeping recommendations to resolve longstanding issues impacting USMA and the Army that were suitable, feasible, supportable, and executable
- Addressed high visibility issues within a political and contentious environment

2005

Founder, USMA Chapter, American Association of University Women

Addressed officership, leadership, and gender issues in the Corps of Cadets and the Army

- Built a coalition with leaders of USMA's Margaret Corbin Forum

- Developed programs educating, empowering, mentoring, and inspiring female leadership

PROFESSIONAL AFFILIATIONS, SERVICE and MEMBERSHIP

Joint Base Elmendorf-Richardson (JBER) Retiree Council
JBER Joint Family Action Plan Working Group
Disabled American Veterans
American Legion Post 29
Veterans of Foreign Wars
Alaska Veterans Organization for Women (AVOW)
National Coalition for Homeless Veterans
Anchorage East Rotary Club
Mission Readiness
US Military Academy Admissions Field Force
Association of American Geographers (AAG)
Gamma Theta Upsilon, International Geographical Honor Society
Honor Society of Phi Kappa Phi

UNDERGRADUATE COURSES TAUGHT AND DIRECTED

1991-1994; 2003-2005; 2006-2010; 2011

Physical Geography
Geomorphology
Cultural and Political Geography
Geography of Global Cultures
Geography of North America
Population Geography and Global Development
Honors Research Methods
Honors Thesis

SELECTED PUBLICATIONS AND PRESENTATIONS

Entries Pertaining to Alaska in Bold Font

Edited Books

Hummel, Laurel J. and Richard L. Wolfel. 2011. *Understanding Pakistan Through Human and Environmental Systems* (Carlisle, PA: Center for Strategic Leadership). 438 pp.

Krakowka, Amy R. and Laurel J. Hummel. 2009. *Understanding Africa: A Geographic Approach* (Carlisle, PA: Center for Strategic Leadership). 408 pp.

Book Chapters

Hummel, Laurel J. 2011. Pakistan, Regional Synthesis, and the Geographer's Art. In *Understanding Pakistan Through Human and Environmental Systems*, Laurel J. Hummel and Richard L. Wolfel, eds. (Carlisle, PA: Center for Strategic Leadership). pp. 7-17.

Cincotta, Richard P. and Laurel J. Hummel. 2009. Africa's Youthful Population Structures and Its Security Prospectus. In *Understanding Africa: A Geographic Approach*, Amy. R. Krakowka and Laurel J. Hummel,

eds. (Carlisle, PA: Center for Strategic Leadership). pp. 257-283.

Hummel, Laurel J. 2009. The Imperative of Understanding Africa. In *Understanding Africa: A Geographic Approach*, Amy. R. Krakowka and Laurel J. Hummel, eds. (Carlisle, PA: Center for Strategic Leadership). pp. xiii-xxii.

Jebb, Cindy R., Laurel J. Hummel, Luis Rios, and Madelfia A. Abb. 2009. On the Margins: Insecurities in Niger and Chad. In *African Environmental and Human Security in the 21st Century*, Helen E. Purkitt, ed. (Amherst: Cambria Press). pp. 3-56.

Jebb, Cindy R., Laurel J. Hummel, Luis Rios, and Madelfia A. Abb. 2008. Human and Environmental Security in the Sahel: A Modest Strategy for Success. In *Environmental Change and Human Security: Recognizing and Acting on Hazard Impacts*. (Dordrecht, The Netherlands: Springer). pp. 341-392.

Peer-Reviewed Journals and Proceedings

Siska, Peter P. and Laurel J. Hummel. 2012. The Regional Knowledge System: A Complex Response to Complex Conflicts. *American Intelligence Journal*. Vol. 29, No. 2, pp. 107-115.

Hummel, Laurel J. 2005. The Military as Geographical Agent: The Case of Cold War Alaska. *Geographical Review*. Vol. 95, pp. 47-72.

Hummel, Laurel J. 2004. Anchorage, Alaska's Cold War Sentinel as Contested Space. In *Proceedings of Urban Narratives as Public Secrets*. (New York: Pace Institute for Environmental and Regional Studies). pp. 91-103.

Technical Report

Jebb, Cindy R., Laurel J. Hummel, and Tania M. Chacho. 2008. *Human Terrain Team Study: A Team of Teams, by USMA's Interdisciplinary Team in Iraq*.

Unpublished Papers

Hummel, Laurel J. 2001. "Illitquisat: Indigenizing Alaskan Public Education."

Special Conference Sessions Organized

Demography as a Dynamic Predictor of Political, Developmental and Security Outcomes. Annual Meeting of Association of American Geographers, Washington DC, 18 April 2010.

Conference Presentations

Hummel, Laurel J. 2011. "Custer's Last Stand at West Point and The Cultural Landscape of Commemoration," Annual Meeting of Middle States Division, Association of American Geographers, Union NJ, 12 November.

Hummel, Laurel J. 2010. "Spring Semester in the Graveyard: Necrogeography as High School Curriculum," Annual Meeting of Association of American Geographers, Washington DC, 16 April.

Hummel, Laurel J. 2009. "Necrogeography in the Hudson Valley: The West Point Cemetery Through a Geographer's Lens," Annual Meeting of Middle States Division, Association of American Geographers, New Paltz NY, 6 November.

Hummel, Laurel J. 2009. "The Geography of Martyrdom: Darnah, Libya as Flashpoint City," Annual Meeting of Association of American Geographers, Las Vegas NV, 27 March.

Cincotta, Richard and Laurel J. Hummel. 2008. "Youthful Age Structures, Economic Development, and Stability: Studies in Contrast," Annual Meeting of Middle States Division, Association of American Geographers, Millersville PA, 7 November.

Hummel, Laurel J. 2008. "Remaking a Military Place: Adak, Alaska as Cold War White Elephant," Annual Meeting of Association of American Geographers, Boston MA, 17 April.

Hummel, Laurel J. 2007. "Use and/or Abuse? The US Military's Relationship with Alaska Natives During the Cold War," Annual Meeting of Association of American Geographers, San Francisco CA, 17 April.

Hummel, Laurel J. 2005. "The US Military as Geographical Agent: The Cold War Cultural Landscape in Alaska." Annual Meeting of Association of American Geographers, Denver CO, 8 April.

Hummel, Laurel J. 2004. "Anchorage, Alaska's Cold War Sentinel as Contested Space," Senses of Place: Urban Narratives as Public Secrets Conference, Pace Institute for Environmental and Regional Studies, New York NY, 15 April.

Hummel, Laurel J. 2003. "Geography and Environmental Education at West Point: Leading the Army's New Focus on Environmental Security and Environmental Stewardship," Geo-Nexus Conference on Research in Geography Education, Southwest Texas State University, San Marcos TX, 23 May.

Hummel, Laurel J. 1992. "Clearfield Pennsylvania: Paradigm of a Declining Small Town," Annual Convention of the Association of American Geographers, San Diego CA, 19 March.

Invited Lectures

Hummel, Laurel J. 2009. "Youthful Population Structures: Demographic Bonus or Demographic Scourge." Invited lecture to Environmental Analysis Division, Defense Intelligence Agency, Bolling AFB MD. 15 July.

Hummel, Laurel J. 2009. "The Making of Martyrdom: Why Libya?" Invited lecture to Environmental Analysis Division, Defense Intelligence Agency, Bolling AFB MD. 15 July.

Hummel, Laurel J. 2007. "HIV/AIDS as a Socio-Political Destabilizer." Invited lecture to Environmental Analysis Division, Defense Intelligence Agency, Bolling AFB MD. 28 September.

Hummel, Laurel J. 2007. "Population Geography and Instability in Sub-Saharan Africa." Invited lecture to Environmental Analysis Division, Defense Intelligence Agency, Bolling AFB MD. 28 September.

Hummel, Laurel J. 2007. "Environmental Geography as a Framework for Intelligence Analysis." Environmental Analysis Division, Defense Intelligence Agency Workshop, West Point NY. 12 September.