

CURRICULUM VITAE

Mary E. Cablk, Ph.D.

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Professional Preparation

Virginia Polytechnic Institute and State University	Biology	B.S.	1989
Duke University, School of Forestry & Environmental Studies	Resource Ecology	M.E.M.	1991
Oregon State University, College of Forestry	Forest Resources	Ph.D.	1997

Appointments

2013 – present Adjunct faculty, Department of Anthropology, University of Nevada Reno
2013 – present Graduate faculty standing, University of Nevada Reno
2006 – present Associate Research Professor, Division of Earth and Ecosystem Sciences, Desert Research Institute (DRI), Nevada System of Higher Education (NSHE) Reno, Nevada
2000-2006 Assistant Research Professor, DEES, DRI, NSHE Reno, NV
1999-2000 Postdoctoral Associate, Division of Earth and Ecosystem Sciences, Desert Research Institute, Reno, Nevada
1997-1999 National Research Council Postdoctoral Associate, Western Ecology Division, US Environmental Protection Agency National Health and Environmental Effects Laboratory, Corvallis, Oregon

Research Interests

Spatial analysis and modeling; Detection technology with primary application human remains detection; Canine detection capability; Odor; Remote sensing; Biodiversity; Conservation biology.

Leading the development of “Desert Body Farm” jointly between DRI and University of Nevada Reno; Director, Desert-tortoise K9 (DTK9) Program 2003-2011.

Expert Witness: human remains canine detection, human remains canine training, human remains canine handler training, the science of canine detection, and as a human remains K9 handler (Virginia, Nevada).

Service on Advisory/Research Review Committees:

- 2014 Peer reviewer: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing; Sensors
- 2013 Peer reviewer: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing; International Conference on Military Geosciences, US Department of Energy.
- 2011 Peer reviewer: J Arid Environments, Southeastern Geographer.
- 2010 Peer reviewer: Sensors, J Env Mgmt, IEEE Journal of Selected Topics in Earth Observations and Remote Sensing.
- 2009 Peer reviewer: Army Research Office, Wildlife Research, Landscape and Urban Planning, J Veterinary Behavior.
- 2008 Peer reviewer: Army Research Office; Land Degradation and Development.

- 2007 Peer reviewer: IALC, J Vegetation Science, US Fish and Wildlife Service Non-invasive species program 2007, Canadian J Remote Sensing, Herpetological Review, International J Remote Sensing
- 2006 Peer reviewer: US Army Research Office, Canadian J Remote Sensing, Photogrammetric Engineering and Remote Sensing
- 2005 Peer reviewer: Journal of Environmental Informatics, Brief the Science Advisory Council to the Desert Tortoise Recovery Assessment Team, Southern Nevada Public Lands Management Act, US Army Research Office
- Invited as ambassador to consult to Turkmenistan Government/Military on developing working dog programs, US State Department (2005, 2006)
- Board of Directors and Grants review committee, The Access Fund (National non-profit organization) (2002-2005)
- 2004 Peer reviewer: US Army Research Office, Department of Defense SERDP Program, International Journal of Remote Sensing, Clark County Multiple Species Habitat Conservation Plan, Southwestern Naturalist
- 2003 Peer reviewer: US Army Research Office, Journal Arid Environments, Ecology, International Arid Lands Consortium
- Program Committee - Applied Geologic Remote Sensing 14th International Conference (2000)
- 2000 Peer reviewer: U.S. Army Corps of Engineers Engineer Research and Development Center (ERDC), FY01 Environmental Quality Basic Research

Teaching

- Double blind training for cadaver dog handlers. California Emergency Management Agency SAREX conference. Silver Lake, Amador County, CA. September 11-13, 2015.
- The Oso Land Slide: A Case Study. September. California Emergency Management Agency SAREX conference. Silver Lake, Amador County, CA. September 11-13, 2015.
- Double blind training for Human Remains Detection Dog Teams. California Emergency Management Agency SAREX conference. Big Basin, CA. September 6-8, 2013.
- Invited guest lecture UC Davis to “Canine Behavior” class July 23, 2013.
- Professional Blog *The Science of Sniffer Dogs* <http://www.blogs.dri.edu>
- *Human Remains Detection K9 Summit*. Desert Research Institute, Reno, NV: 2009-10.
- *Scent Theory*. December 2007. Regional Training Center, Reno, NV. Special seminar to Sacramento Task Force (FEMA) and WCSO SAR dog teams.
- *Wilderness Survival*. Spring 2006. Truckee Meadows Community College. 3-credit lecture.
- Research Education for Undergraduates (REU) advisor, UCWMRS (2002, 2003)
- Developed Spatial Analysis Supercourse for undergraduates through University of California White Mountain Research Station
- Workshop on Digital Change Detection Methodologies for Natural Resource Management and Research, U. of New South Wales, Australia (1999)
- Designed Introductory Remote Sensing Course and Workbook for Central Oregon Community College, Bend, OR (1998)

Student/Postdoctoral Advising

Amanda Williams. 2014 – present. PhD student in anthropology at UNR. Creating a classification system for quantifying burned human remains.

Jotham Ziffer-Berger. 2008-2009. Postdoctoral Research funded by the International Arid Lands Consortium. Research Project: Pine expansion in arid land: fire effects on safe site abundance.

Anitra Sapula. 2008-2009. Masters Research Thesis support: Distinguishing weathered tool marks on bone: the taphonomic effects of surface exposure in semi-arid conditions within the American Great Basin Desert of Northwestern Nevada (Sagebrush Steppe and Pinyon-Juniper Woodland). University of Bradford, UK.

Erin Szelagowski. 2011. UNR Undergraduate Honors student in biochemistry, mentoring resulted in peer-review publication in leading forensic science journal.

Professional Society Membership and Technical Training

- Nevada POST K9 Evaluator Course (2015), State of Nevada POST
- Serial Murder (2014) professional development course, FBI Behavioral Analysis Unit
- Fatal Fire Investigation (2014), International Association of Arson Investigators, NV POST credited (16 hours).
- Human Remains Detector Dogs (2012), William R. Maples Center for Forensic Medicine at U FL and ASPCA
- State of California certified cadaver dog handler (2004-present), water recovery dog handler (2011-present) avalanche dog handler (2002-2008), air-scent dog handler (2002-2008)
- American Academy of Forensic Science workshop: Taphonomy of bone destruction; Seattle, WA. (2010)
- American Academy of Forensic Science workshop: Forensic investigation of human remains from armed conflicts and catastrophes. Seattle, WA. (2010)
- American Society of Environmental History
- Society for Conservation GIS
- The Wildlife Society
- American Association of Geographers
- American Geophysical Union
- Ecological Society of America
- Federal, State of Nevada, US Army and University permits for *Gopherus agassizii*
- Small tortoise transmitter attachment/removal (2007); Subcarapacial tortoise bleeding (2006)
- Desert Tortoise Surveying, Monitoring, and Handling Techniques Workshop November 8-9th, 2003, Ridgecrest, CA
- National Avalanche School (2004), 40-hour classroom lecture plus 3-day field evaluation
- Secretary/Treasurer (elected) American Society of Photogrammetry Remote Sensing Columbia Region Chapter (1998)
- Xi Sigma Pi, Forestry Honor Society, OSU (1996)
- Phi Sigma, Biology Honor Society, VPI & SU (1988)

Peer-Review Publications

Cablk, M.E., S. Clark, C. Valentin et al. *in prep*. A certification standard for wildlife detection dogs: Assessing safety and capability using Mojave desert tortoise detection dogs as an example. For submission to *Journal of Wildlife Management*.

Ziffer-Berger, J., P.J. Weisberg, **M.E. Cablk** and Y. Osem. 2014. Spatial patterns provide support for the stress-gradient hypothesis over a range-wide aridity gradient. *Journal of Arid Environments*, 102:27-33.

Cablk, M.E., E.E. Szelagowski, and J.C. Sagebiel. 2012. Characterization of the volatile organic compounds present in the headspace of decomposing animal remains, and compared with human remains. *Forensic Science International*. 220:118-125.

- Cablk, M.E. and J.S. Sagebiel. 2011. Field capability of dogs to locate human teeth. *Journal of Forensic Sciences*. 56(4):1018-1024.
- Heaton, J.S., **M.E. Cablk**, K.E. Nussear, T.C. Esque, P.A. Medica, J.C. Sagebiel, and S.S. Francis. 2008. Comparison of human versus wildlife detector dog investigator effects. *Southwestern Naturalist* 53(4):472-479.
- Cablk, M.E., Sagebiel, J.C., Heaton, J.S., and C. Valentin. 2008. Olfaction-based detection distance: A quantitative analysis of how far away dogs detect tortoise odor and follow it to source. *Sensors*. 8(4):2208-2222.
- Nussear, K.E., T.C. Esque, J.S. Heaton, **M.E. Cablk**, K.K. Drake, C. Valentin, J.L. Yee, and P.A. Medica. 2008. Are wildlife detector dogs or people better at finding tortoises? *Herpetological Conservation and Biology*. 3(1):103-115.
- Raumann, C. and **M.E. Cablk**. 2008. Land-use/cover change in the Lake Tahoe Basin, California and Nevada, USA, 1940-2002. *Forest Ecology and Management*. 255:3424-3439.
- Cablk, M.E. and J.S. Heaton. 2006. Accuracy and reliability of dogs in surveying for desert tortoise *Gopherus agassizii*. *Ecological Applications*. 16(5):1926-1935.
- Minor, T. and **M.E. Cablk**. 2004. Estimation of Impervious Cover in the Lake Tahoe Basin Using Remote Sensing and Geographic Information Systems Data Integration. *Journal of Nevada Water Resources Association*. 1(1):58-75.
- Cablk, M.E. and T. Minor, 2003. Detecting and discriminating impervious cover with high-resolution IKONOS data using principal component analysis and morphological operators. *International Journal of Remote Sensing*. 24(23): 4627-4645.
- Hunter, L.M., M. de J. Gonzalez, M. Stevenson, K.S. Karish, R. Toth, T.C Edwards, R.J. Lilieholm, and **M. Cablk**, 2003. Population and land use change in the California Mojave: Natural habitat implications of alternative futures. *Population Research and Policy Review*. 22:373-397.
- Cablk, M.E., W.K. Michener, B. Kjerfve, and J. Jensen. 1994. Assessing Hurricane-Hugo related forest damage using Landsat TM data. *Geocarto International*. 9:15-24.

Peer-reviewed Reports

- Miller, J., V. Etyemezian, R. Shillito, **M.E. Cablk**, L.K. Fenstermaker, and D.S. Shafer. 2013. Monitoring Soil Erosion of a Burn Site in the Central Basin and Range Ecoregion: Final Report for the Gleason Fire Site, Nevada. Final Report to the Nevada Site Office, National Nuclear Security Administration, US Department of Energy. DOE/NV/0000939-14. DRI Report #45254.
- Miller, J., V. Etyemezian, **M.E. Cablk**, R. Shillito, and D. Shafer. 2012. Monitoring Soil Erosion on a Burned Site in the Mojave-Great Basin Transition Zone: Final Report for the Jacob Fire Site. Final Report to the Nevada Site Office, National Nuclear Security Administration, US Department of Energy. DOE/NV/0000939-13. DRI Report #45253.
- Hershey R.L., **M.E. Cablk**, K. LeFebre, and L. Fenstermaker. 2012. Evaluation of Radionuclide Mobilization and Redistribution during Occasional Lake Formation on the Frenchman Flat Playa, Nevada Nuclear Security Site. Draft Final Report submitted to Nevada Site Office, National Nuclear Security Administration, DOE/NV/26383-LTR2011-45252.

- Cablk, M.E. and R. Harmon. 2011. Validation and Development of a Certification Program for Using K9s to Survey Desert Tortoises. Final Report to DOD Environmental Security Technology Certification Program. RC-200609. 162 p.
- Cablk, M.E. and R. Harmon. 2011. Cost and Performance Report: RC-200609. Report to DOD Environmental Security Technology Certification Program. RC-200609. 91 p.
- Miller, J.J., R.H. French, S.A. Mizell, **M.E. Cablk**, and C.B. Kratt. 2011. Using Doppler Radar Precipitation Measurements to Enhance Estimates of Playa Inundation. American Society of Civil Engineers - Environmental and Water Resources Institute, World Environmental and Water Resources Congress 2011, May 22-26, 2011, Palm Springs, California.
- R.L. Jasoni, Thomas, J.M., **M.E. Cablk**, D. Decker, B. Lyles, J. Arnone, and W.H. Albright. 2009. Evapotranspiration in Smoke Creek Desert, Nevada. Final report to SEMPRA Generation. DRI report #41224R. April 2009.
- Cablk, M.E. and C. Kratt. 2007. A methodology for mapping shrub canopy cover in the Great Basin Desert using high spatial resolution satellite imagery. Desert Research Institute publication #41236. July 2007.
- Zhu, J. M.H. Young and **M.E. Cablk**. 2007. Uncertainty analysis of estimates of ground- water discharge by evapotranspiration for the BARCAS study area. Desert Research Institute Technical Report #41234, June 2007.
- Sharpe, S.E., **M.E. Cablk**, and J.M. Thomas, 2007. The Walker Basin, Nevada and California: Physical Environment, Hydrology, and Biology. Desert Research Institute Technical Report #41231, May 2007.
- Albright, W.H., R.L. Jasoni, **M.E. Cablk**, J.M. Thomas, J., D. Decker, and A. Arnone. 2006. Groundwater Evapotranspiration in Smoke Creek Desert, Nevada. Final report to SEMPRA Generation. DRI report #41224. March 17, 2006.

Reports

- Cablk, M.E., K.N. Nussear, and T.C. Esque. 2007. Desert tortoise surveys on the Precision Impact Range Area October 2006, Edwards Air Force Base, California. Final report to Edwards AFB. 22 pp.
- Cablk, M.E. and L.M. Perlow. 2006. A classification system for impervious cover in the Lake Tahoe Basin. Final report submitted to the State of Nevada Water Resources Research Institute, February 28, 2006.
- Cablk, M.E. 2006. Protecting the threatened desert tortoise: A plan for primary survey, management and monitoring in Parashant National Monument and Grand Canyon National Park. Final report to Grand Canyon/Parashant National Park.
- Cablk, M.E. and J.S. Heaton. 2005. Efficacy and reliability of dogs for surveying desert tortoises: Results from the DT-K9 trials March 28-April 15, 2004 Desert Tortoise Conservation Center – Las Vegas, NV. *Prepared for:* University of Redlands. Task order# 121220-02-02A. 57p.
- Cablk, M.E., J.S. Heaton, and J.C. Sagebiel. 2004. Risk of attracting predators from human and human-dog team wildlife surveys. *Prepared for:* Marine Air Ground Task Force Training Command, Natural Resources and Environmental Affairs Division. Contract #W911NF-04-1-0279. 31p.
- Young, M., W. Albright, W. Zachritz, D. Shafer, K. Pohlmann, **M. Cablk**, S. Zitzer, and E. McDonald. 2004. Technical approach for designing alternative covers at Edwards Air Force Base, California. Desert Research Institute publication No. 41192. Prepared for Air Force Flight Test Center,

Environmental Management Directorate, Edwards Air Force Base, California. Contract #DACA05-02-C-0009.

Cablk, M.E. 2003. Baseline and initial monitoring assessment of *Martes americana*, the American Marten, at Heavenly Ski Resort, Lake Tahoe, California. U.S. Forest Service, Lake Tahoe Basin Management Unit. 87 p.

Cablk, M.E., W. Langford, and A. Panorska. 2003. Alternative Future Scenarios: Development of a modeling information system. Final Report to DoD: Strategic Environmental Research and Development Program. Report M67399-00-C-0005. 115 p.

Minor, T. and **M.E. Cablk**. 2003. Estimation of hard impervious cover in the Lake Tahoe Basin using Remote Sensing and Geographic Information Systems. Final report to the Tahoe Regional Planning Agency. 32p.

Cablk, M.E. and J.S. Heaton. 2002. Mojave Fringe-Toed Lizard surveys at the Marine Corps Air Ground Combat Center at Twenty-nine Palms, California and nearby lands administered by the Bureau of Land Management. California: Marine Corps Air Ground Combat Center. Report M67399-00-C-0005. 115 p.

Cablk, M.E. 2002. Impacts of development in the Coachella Valley on Fringe-Toed Lizards and the related implications to Joshua Tree National Park. Final report to Joshua Tree National Park. 46 pp.

McDonald, E., J. Gilles, R. Keisler, and **M. Cablk**. 2001. Ft. Irwin dust emissions: Meteorology and Modeling. Final report to Commander NTC and Fort Irwin ITAM Program. September 18, 2001. 64 pp.

Steinitz, C., Anderson, R., Arias, H., Bassett, S., **Cablk, M.**, Flaxman, M., Goode, T., Lozar, R., Maddock, T., Mouat, D., Rose, W., Peiser, R. and Shearer, A.: 2000, 'Summary Report: Alternative Futures for the Upper San Pedro River Basin Arizona, U.S.A. and Sonora, Mexico', Harvard University, Graduate School of Design, Cambridge, MA, USA, p. 19.

Stoms, D.M., **M.E. Cablk**, W.H. Hargrove, L.L. Master. 1998. Comparisons across taxa of biophysical predictors of species richness. *In* Acquisitions and evaluation of data sets for comparative assessment of risk to biodiversity on a continental scale: Threats to biodiversity. D.M. Stoms, W.A. Kuhn, and F.W. Davis. Final report to the US Environmental Protection Agency. 138 pp.
http://legacy.biogeog.ucsb.edu/projects/epa/epa_rpt.html

Book Chapters

Cablk, M.E., J.J. Miller, and S.A. Mizell. 2016. Comparing playa inundation estimates from Landsat and LiDAR data to a Doppler radar-based hydrologic model. In E. McDonald, and T. Bullard, eds., *Military Geosciences and Desert Warfare: Advances in Military Geosciences*. Springer Publishing. pp. 153-167.

Cablk, M.E., 2014, Experiencing nature in militarized landscapes: If a bomb drops in the desert do we still call it wilderness? 2015. in Harmon, R.S., Baker, S., and McDonald, E.V., eds., *Military Geosciences in the Twenty-First Century: Geological Society of America Reviews in Engineering Geology*, v. XXII, 22:205-215.

Cablk, M.E., D. White, and A.R. Kiester. 2002. Assessment of spatial autocorrelation in empirical models in ecology. In M. Scott, P. Heglund, M. Morrison, M., J. Haufler, M. Rafael, W. Wall, and F. Samson, eds., *Predicting Species Occurrences: Issues of Accuracy and Scale*. Island Press, Washington, DC.

Other publications

Cablk, M.E. and C. Salisbury. 2011. Avalanche Dog Teams: Technical Experts in a Dangerous Environment. K9-Cop Magazine. Dec/Jan issue.

Cablk, M.E. and J.S. Heaton. 2004. Using dogs to detect wildlife: Training, use and standards. *In* Scent detection by Sniffer Animals and Electronic Noses: Expert Workshop. C. Cox, ed. University of Sokoine, Morogoro, Tanzania. July 27-30th, 2004.

Stevenson, M.R., R.E. Toth, T.C. Edwards Jr., L. Hunter, R.J. Lillieholm, K.S. Karish, J. DeNormandie, M. Gonzalez and M. Cablk. 2000. What if...? Alternative Futures for the California Mojave Desert. Proceedings of the 2000 ESRI International User Conference.
<http://proceedings.esri.com/library/userconf/proc00/professional/papers/pap192/p192.htm>

Cablk, M.E., J.S. Heaton, R.J. Lillieholm, M.de J. Gonzalez, M. Stevenson, and D. Mouat. Military Ecology: The role of the Defense Department in protecting and preserving our biotic resources and challenges for civilian researchers in this realm. In D. Brunkhorst, ed., *Landscape Futures: An international symposium on advances in research for natural resource planning and management across regional landscapes*. Armidale, NSW, Australia. 22-25 September 1999. ISBN 1 8639 664 3.

Panel moderator:

Panel Moderator: *K9-Science Panel Discussion for SAR K9 Handlers*. J.C. Sagebiel, L. Lit, M.E. Cablk. National Association of Search and Rescue. 2011 Annual Conference. 2-4 June 2011, Sparks, NV.

Panel Chair for Session *Bases and Battlefields: Historical and Geographical Approaches to Military Landscapes*. American Society of Environmental History Conference. Phoenix, AZ. April 12-17, 2011.

Presentations (Invited):

Cablk, M.E. Wildfires in a Developed Matrix: The Butte and Valley Fires. DRI Wildland Fire Science Center Inaugural Meeting. November 13, 2015.

Cablk, M.E. Double blind training for cadaver dog handlers. Little Basin, CA. State of California Search and Rescue Conference. September 6-8, 2013.

Cablk, M.E. The Mojave Desert Tortoise: Harbinger or beacon of the western US deserts? School of Forestry and Wildlife Science Fall 2012 Seminar Series. Auburn University, AL. October 9, 2012.

Cablk, M.E. Old wives tails and SAR: how to improve your credibility as a handler. State of California Search and Rescue Conference. Coloma, CA. September 7-9, 2012.

Cablk, M.E. Military wilderness: If a bomb drops in the desert do we still call it wilderness? American Society of Environmental History Conference. Phoenix, AZ. April 12-17, 2011.

Cablk, M.E. Integrating GIS with field methods to establish use patterns of the American marten at a major American ski destination. Invited seminar at the Volcani Institute, Agricultural Research Organization, Bet Dagan, Israel. March 22, 2010.

Cablk, M.E. Experiencing nature in militarized landscapes: If a bomb drops in the desert do we still call it wilderness? American Association of Geographers Annual Meeting. March 22-27, 2009. Las Vegas, Nevada.

Cablk, M.E. Experiencing nature in militarized landscapes: If a bomb drops in the desert do we still call it wilderness? University of Nevada Reno Literature and Environment Colloquium. March 27, 2009. Reno, NV.

- Cablk, M.E. Militarized Landscapes Conference. Experiencing nature in military landscapes: If a bomb drops on the desert do we still call it 'wilderness'? University of Bristol, Bristol, England. 3-6 September 2008.
- Cablk, M.E. Quantifying detection dog team capability in the field deployment setting. in Odour detection by animals: Research and Practice. Ulven Camp, Oslo, Norway, 16-20 June 2008.
- Cablk, M.E., J.S. Heaton, K.E. Nussear, T.C. Esque. Using dogs to find small desert tortoises: an update of the DTK9 Program 2006 field effort. 32nd Desert Tortoise Council Symposium. February 23-25, 2007. Las Vegas, NV.
- Cablk, M.E. Working with Nature: Dogs and Tortoises. Native American Land Conservancy Annual Conference. February 8-10, 2007. El Cajon, CA.
- Cablk, M.E. Stress in Wildlife: The American Marten at Heavenly Ski Area. Western Occupational Health Conference, September 14-16, 2006, Incline Village, NV.
- Cablk, M.E. and J.S. Heaton. 2006. The Desert Tortoise K9 Program. Desert Tortoise Council Meeting. February 19, 2006. Tucson, Arizona.
- Cablk, M.E. and J.S. Heaton. 2005. Using dogs to find desert tortoises. Desert Tortoise Science Advisory Council. May 16, 2005. Reno, NV.
- Cablk, M.E. and J.S. Heaton. 2005. Using K9s to find desert tortoises: The DTK9 Program. 4th National Detector Dog Conference. April 28-May 1, 2005. Auburn University College of Veterinary Medicine, Auburn, Alabama.
- Cablk, M.E. 2005. Predation Risks to wildlife from human and human-dog surveys. The Wildlife Society (western chapter) Annual Meeting. January 20-22, 2005, Sacramento, CA.
- Cablk, M.E. and J.S. Heaton. 2004. Using K9s to find desert tortoise: implications for military lands management. Annual Strategic Environmental Research and Development Program & Environmental Security Technology Certification Program Symposium and Workshop. November 30-December 2, 2004, Washington, D.C.
- Cablk, M.E. Wildlife detection dogs: Linkages across disciplines for developing standards. *At the* Workshop on scent detection: By sniffer animals and electronic noses. July 27-30th, 2004. Sokoine University of Agriculture, Morogoro, Tanzania.
- Minor, T. and M.E. Cablk. 2004. Estimation of hard impervious cover in the Lake Tahoe Basin using remote sensing and GIS. February 26, 2004. Presentation to the Tahoe Regional Planning Agency, Stateline, NV.
- Cablk, M.E. 2003. Remote Sensing and the Desert Tortoise: Considerations for linking technology, habitat and animals. September 4-5, 2003, Presentation to the Desert Tortoise Recovery Plan Assessment Committee Meeting. Monterey Bay, CA.
- Cablk, M.E. 2002. Student Immersion Program in Education and Research (SIPER) Science Fridays. 15 July-19 July. University of California White Mountain Research Station, Bishop, CA.
- Cablk, M.E. 2001. Decomposing the Problem: Encroachment and Risk. The Partners in Technology Environmental Technology Technical Symposium and Workshop. Washington, D.C. November 26-29th, 2001.
- Cablk, M.E. 2001. Military Ecology: the role of military installations for conservation of biological diversity. 3rd UC Summer Symposium in Conservation Biology: Conserving biodiversity in temperate and tropical regions – challenges and approaches. August 12-17, 2001.

Cablk, M.E. 2001. Technology for Landscape Studies. National Science Foundation Research Education for Undergraduate Program. University of California White Mountain Research Station. Bishop, California.

Cablk, M.E. 2000. Basic Image Processing Methods for Desert Environments: change detection for the Mojave Desert, California. DoD Multidisciplinary University Research Initiative program (MURI). Annual Meeting.

Cablk, M.E. and D. Mouat. 1999. Designing the future: A framework for environmental management on DoD lands within the California Mojave Desert. Strategic Environmental Research and Development Program Review, China Lake Naval Air Weapons Facility, California.

Presentations (other):

Holz, B.A. and M.E. Cablk. 2013. Comparing historical human remains detection dog and ground penetrating radar responses in areas of possible human burials. Seventh World Archaeological Congress, January 13-18, 2013. Dead Sea, Jordan.

Cablk, M.E. 2011. *Bridging SAR dogs and science – the latest and greatest, translated*. National Association of Search and Rescue. 2011 Annual Conference. 2-4 June 2011, Sparks, NV.

Miller, J.J., R.H. French, S.A. Mizell, **M.E. Cablk**, and C.B. Kratt. 2011. Using Doppler Radar Precipitation Measurements to Enhance Estimates of Playa Inundation. American Society of Civil Engineers - Environmental and Water Resources Institute, World Environmental and Water Resources Congress 2011, May 22-26, 2011, Palm Springs, California.

Cablk, M.E., T.C. Esque, K.E. Nussear, J.S. Heaton, C. Valentin, R.S. Harmon, S.S. Clark, A. Hurt. How capability studies validate wildlife detection dog teams as a legitimate survey tool. The Wildlife Society 17th Annual Conference. October 2-6, 2010. Snowbird, UT.

Cablk, M.E. GIS data fusion to support conservation of *Martes americana*, the American marten, at a Lake Tahoe Ski area. Society for Conservation GIS Annual Meeting. July 8-11, 2010. Monterey, CA.

Cablk, M.E. and J.C. Sagebiel. Field capability of dogs to locate individual human teeth. American Academy of Forensic Sciences 62nd Annual Meeting. February 22-27, 2010. Seattle, WA.

Cablk, M.E., T. Esque, K. Nussear, S. Clark, C. Valentin, R.S. Harmon. Operational standards for deployment of desert tortoise detection dog teams. The Partners in Technology Environmental Technology Technical Symposium and Workshop. December 1-3, 2009. Washington, DC.

Cablk, M.E. K. Nussear, T. Esque, C. Valentin, R.S. Harmon, S. Clark. Final Assessment of DTK9 Teams – Results from the 2008 Field Tests. The Partners in Technology Environmental Technology Technical Symposium and Workshop. December 2-4, 2008. Washington, DC.

Cablk, M.E. and C. Raumann. Urbanization effects on the forests of Lake Tahoe (1940-2002). In Society of American Foresters 2008 National Convention. Forestry in a Climate of Change. Reno-Tahoe, Nevada. November 5-9, 2008.

Cablk, M.E., R.S. Harmon and C. Valentin. Maintaining real-time calibration of detection dog teams during field deployment given uncertainty in target location. The Partners in Environmental Technology Technical Symposium and Workshop: Meeting DOD's Environmental Challenges. December 4-6, 2007. Washington, D.C.

Cablk, M.E., J. Zhu, C. Kratt, R. Jasoni, M. Young, J. Thomas, J. Arnone III. Multi-scale remote sensing observations as a basis for estimating Evapotranspiration across the eastern Great Basin Desert, Nevada. American Geophysical Union 2006 Fall Meeting. December 11-15, 2006, San Francisco, CA. (poster)

- Cablk, M.E. J.S. Heaton, K. Nussear, T. Esque, S. Clark, K. Nagy, and C. Valentin. The Desert Tortoise K9 (DTK9) Program – Validation and demonstration. The Partners in Technology Environmental Technology Technical Symposium and Workshop. November 28-30, 2006. Washington, DC. http://www.serdp-estcp.org/Symposium/posters/upload/30-W_Cablk-2.pdf
- Thomas, J., J. Reuter, A. Heyvaert, S. Chandra, and **M. Cablk**. 2006. The delicate environmental balance of Lake Tahoe: Ramification for public Health. Invited speakers for a joint presentation at the Western Occupational and Environmental Medical Association Annual Conference, Incline Village, NV. September 2006.
- Cablk, M., J. Heaton, T. Esque, and K. Nussear. Humans vs. K9s: Is fear warranted in the race to save the desert tortoise? 91st Annual Ecological Society of America, August 6-11, 2006, Nashville, TN.
- Raumann, C.G. and **M.E. Cablk**. 2006. Land Cover Change in the Southern Lake Tahoe Basin, 1940-2002. 3rd Biennial Conference on Tahoe Environmental Concerns. October 18-20, 2006. Incline Village, NV.
- Cablk, M.E. and J.S. Heaton. 2004. Using K9s to survey for desert tortoise. 89th Annual Ecological Society of America Meeting. August 1-6th, 2004. Portland, OR.
- Heaton, J.S., **M.E. Cablk** and R. Inman. 2004. The efficacy and reliability of dogs to locate desert tortoises under natural conditions. 18th Annual Meeting of the Society for Conservation Biology. July 30-August 2nd, 2004. NY, NY.
- Cablk, M.E. and T. Minor 2003. Watershed-based science: integrating impervious cover into analyses for the Lake Tahoe Basin, CA. 2003 Seattle Annual Meeting of the Geological Society of America (November 2-5, 2003).
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Scientific outreach to community

Facebook Professional Page: www.facebook.com/DrCablk

Twitter Professional Page: #DrCablk

CBC News Canada: <http://www.cbc.ca/news/canada/cadaver-dogs-science-training-1.3654993>

<http://www.suecoletta.com/a-dogs-nose-why-they-can-detect-odors/>

New York Times Magazine: http://www.nytimes.com/2015/06/21/magazine/how-to-train-a-cadaver-dog.html?_r=0

Scientific American: <http://blogs.scientificamerican.com/dog-spies/2013/09/25/one-day-you-will-smell-like-a-dead-chicken/>

The Daily Beast article: <http://www.thedailybeast.com/articles/2013/11/14/dog-orders-cavity-search-lawsuits-ensue.html?url=/articles/2013/11/14/dog-orders-cavity-search-lawsuits-ensue.html>

Featured in “What the dog knows: the science and wonder of working dogs” by Cat Warren published 2013 (www.catwarren.com) by Simon&Schuster.

Jet Life Nigeria article: <http://www.jetlifenigeria.com/2013/07/dogs-a-vital-aid-to-aviation-security/>

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DTK9 Program featured in popular media:

- National Geographic Kids Magazine
- Children’s book: Surviving Death Valley: Desert Adaptation by Pamela Dell. ISBN-10: 1429612665. 32 pages
- RLife Magazine
- Delta Sky Magazine
- Audubon Magazine (<http://archive.audubonmagazine.org/fieldnotes/fieldnotes0505.html>)
- Dog World Magazine (Apr2005, Vol. 90 Issue 4, p8)
- Reptiles Magazine
- Australian Working Dog Magazine
- High Country News
- Las Vegas Sun
- DRI Newsletter
- UNR Silver & Blue
- Local Television News (Cablk interview with Bill Brown)
- Local National Public Radio
- Oregon Statesman Journal