



NATIONAL
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Information Gathering Session #1

U.S. Army National Guard Joint Base Cape Cod Small
Arms Ranges and Their Impact on the Cape Cod Sole
Source Aquifer

Sarah Juckett, Senior Program Officer

SEPTEMBER 2026

September 1, 2026 Agenda

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Welcome and Study Introduction

Sarah Juckett and Gregory Baecher

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Massachusetts Army National Guard
presentation

Alexander McDonough, Shawn Cody,
John Bagaglio, and Jake McCumber

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U.S. Geological Survey presentation

Melissa Lombard

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Closing Remarks – Day 1



September 2, 2026 Agenda

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Welcome and Day 1 Recap

Sarah Juckett and Gregory Baecher

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EPA Region 1 presentation

Ken Moraff and Denise Springborg

3

Massachusetts Environmental
Management Commission presentation

Leonard Pinaud

4

Cape Cod Commission presentation

Heather McElroy, Erin Perry,
Tara Nye Lewis, and Tim Pasakarnis

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Closing Remarks – Day 2

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An Overview

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Our Unique Study Process



Statement of Task

At the request of the Massachusetts Army National Guard, an ad hoc committee of the National Academies of Sciences, Engineering, and Medicine will address the following scientific and technical issues related to potential aquifer contamination from small arms ranges. Specifically, the committee will:

1. Provide a brief overview of the history of military and contractor activities contributing to the current state of soil and groundwater contamination at Camp Edwards.
2. Discuss the elements of a conceptual site model for small arms ranges at Camp Edwards, including contaminant sources at firing and target lines, rates and pathways of contaminant movement in soil, pore water, and groundwater, and the potential for human exposure via drinking water.
3. Assess the history and current components of a) comprehensive monitoring plans and b) mitigation strategies for gun range contaminants in soil, pore water, and groundwater at Camp Edwards, considering past contamination, future potential loading, and water quality standards and action levels.



Statement of Task (continued)

At the request of the Massachusetts Army National Guard, an ad hoc committee of the National Academies of Sciences, Engineering, and Medicine will address the following scientific and technical issues related to potential aquifer contamination from small arms ranges. Specifically, the committee will:

4. Evaluate historic and current hydrologic and water quality models used to predict the fate and transport of contaminants related to small arms ranges at Camp Edwards from their sources to groundwater, assessing their effectiveness in predicting aquifer impacts.
5. Recommend updates to research, monitoring, and modeling activities to ensure small arms range training at Camp Edwards poses no significant risk to the underlying aquifer.

As part of the information-gathering process, the committee will also engage with the local community to understand their perspectives concerning groundwater and soil impacts from small arms ranges at Camp Edwards.



Committee

Gregory B. Baecher - Chair

Glenn L. Martin Institute Professor of Engineering
University of Maryland

Barbara A. Bekins

Research Hydrologist, Emerita
U.S. Geological Survey

Ellen Gilinsky

President
Ellen Gilinsky, LLC

Christopher S. Griggs

Senior Research Physical Scientist
U.S. Army Research and Development Center

Gerald J. Lukowski

Director of Public Works
Town of Watertown, CT

Kurt D. Pennell

250th Anniversary Professor of Engineering
Brown University

Jennifer Richmond-Bryant

Associate Professor
North Carolina University

Ivan Rusyn

University Professor
Texas A&M University

Kamini Singha

University Distinguished Professor
Colorado School of Mines

Martin Stute

Alena Wels Hirschorn '58 and Martin Hirschorn Professor
Barnard College & Lamont-Doherty Earth Observatory

Julia Varshavsky

Assistant Professor
Northeastern University

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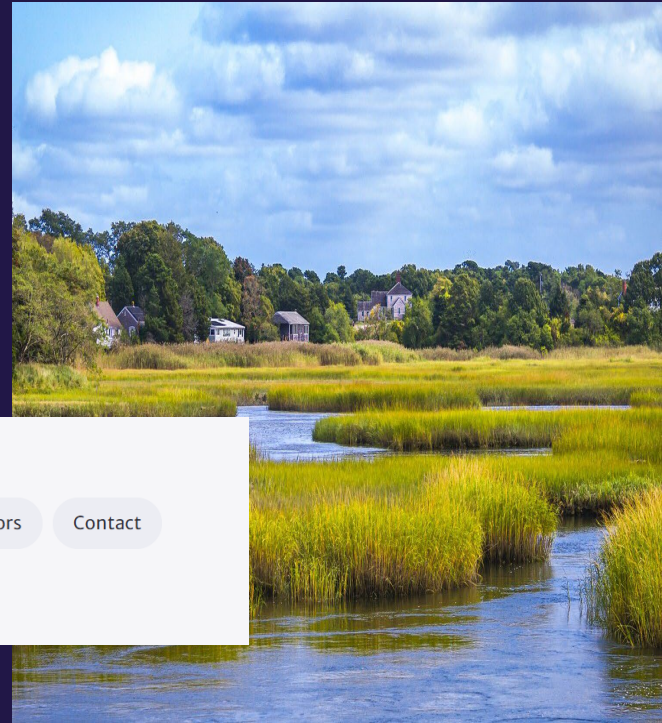


Study Website:

<https://www.nationalacademies.org/projects/CHPP-ESR-25-02>

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project mailing list

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meeting information



On this page

Statement of Task

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Presentations will
resume at
0:00 am/pm Eastern





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Thank You!

JUNE 2025

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Technical Difficulties Please Standby

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