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   Kapstein, Ethan (Principal Investigator)
   Berman, Eli (Co-PI)

7. **PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)**
   National Bureau of Economic Research, Inc.
   1050 Massachusetts Ave.
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14. **ABSTRACT**
   Economic activity can both induce and reduce political violence. We have shown that both insurgents and government respond to rising levels of investment by increasing engagement, with violent consequences. We have explored the economic and social benefits of counterinsurgency by the Philippine military, how it can be optimally conducted, and what the effects are on both combatants and civilians.

15. **SUBJECT TERMS**
   Insurgency, counterinsurgency, Philippines, economics, violence, military, rebels.

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    Alterra Milone

19b. **TELEPHONE NUMBER (include area code)**
    (617) 868-3900

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"The Economics of Counterinsurgency in the Philippines"

June 1, 2011 – June 30, 2016

Awarding Organization:
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1050 Massachusetts Ave.
Cambridge, MA 02138-5398

Under the direction of:
Principal Investigator Ethan Kapstein, Arizona Centennial Professor of International Affairs, Arizona State University, and Senior Director for Research and Decision Analysis of ASU's McCain Institute for International Leadership.

Co-Principal Investigator Eli Berman, Professor of Economics, University of California at San Diego, and Research Director for International Security Studies at the UC Institute on Global Conflict and Cooperation, as well as Research Associate at the National Bureau of Economic Research.

Subcontract Principal Investigator James Fearon, Theodore and Frances Geballe Professor in the School of Humanities and Sciences and Professor of Political Science, Stanford University.

Subcontract Co-Principal Investigator Joseph Felter, Senior Research Scholar, Stanford University’s Center for International Security and Cooperation (CISAC) and Research Fellow at the Hoover Institution, and retired US Army Special Forces Colonel.

Technical Approach:
Evidence-based theoretical and empirical research exploiting unique access to comprehensive micro-data on 21st century insurgency and counterinsurgency outcomes in the Philippines.

- Project A: Counterinsurgency and Well Being
- Project B: The Micro-Foundations of Insurgent Surrender
- Project C: Sources of Military Effectiveness in Counterinsurgency

Project Objectives:
Formally model hypotheses relating state control to economic activity, violence and wellbeing; generate testable implications; test using data from Philippine insurgency. Develop implications for force configuration, rebel surrender.
Accomplishments:
5 publications, 6 submitted articles, 3 working papers, 3 submitted book manuscripts
3 major datasets organized

Expansion grant accomplishments by activity include:

A. Counterinsurgency and Well Being
   1. Econometric modeling complete: Philippine Peace and Development Team (COIN) operations
      associated with 60% reduction in malnutrition in affected villages after 3 years
   2. Draft paper complete, presented January 2015 ASSA

B. The Micro-Foundations of Insurgent Surrender
   1. Comprehensive 24 year data set on characteristics and motivations of 13k individual surrendered
      rebels from multiple insurgent groups compiled and organized
   2. Draft working paper provides empirical and qualitative evidence explaining rebel surrender as a
      function of hardship and commitment interacted with opportunity for surrender
   3. Manuscript draft ongoing

C. Sources of Military Effectiveness in Counterinsurgency
   1. Comprehensive 37 year incident level data set compiled and organized. Over 102,000
      individually coded incidents
   2. Draft working paper presents evidence that individual level qualities of security forces and
      access to local information predict key outcomes and effectiveness in counterinsurgency
   3. Two Draft Manuscripts (by Felter and by Kapstein)

Papers:
The following research was directly supported by the data collection and in-country interviews
conducted during ONR-funded trips to Philippines.

Berman, Eli, Mitch Downey, and Joseph Felter, “Expanding Governance as Development: Evidence

Berman, Eli, Joseph Felter, Ethan Kapstein, and Erin Troland, “Predation, Taxation, Investment, and
http://www.nber.org/papers/w18375

Berman, Eli, Joseph Felter, Ethan Kapstein, and Erin Troland, “Predation, Taxation, Investment and
http://www.nber.org/papers/w19266

Berman, Eli and Aila Matanock, “The Empiricists’ Insurgency,” Annual Review of Political Science,

Crost, Benjamin, Claire Duquennois, Joseph Felter, and Daniel Rees, “Climate Change, Agricultural
Production and Civil Conflict: Evidence from the Philippines,” Institute for the Study of Labor


