

## Preliminary List of Independent Studies

February 23, 2011

**Category:** Environmental Data – Radiation  
**Date of Publication:** November 9, 2001  
**Title:** **Dramatic Increase in Radiation in Vieques**  
**Author(s):** Frankie Jimenez  
**Affiliation:** Committee for the Rescue and Development of Vieques (CRDV)  
**Publication Status:** Press Release  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Environmental Data – Radiation  
**Date of Publication:** November 2001  
**Title:** **Radioactivity in Vieques**  
**Author(s):** Frankie Jimenez  
**Affiliation:** Committee for the Rescue and Development of Vieques (CRDV)  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Environmental Data – Soil, Sediment, and Water  
**Date of Publication:** July 11, 2000  
**Title:** **Environmental Impact of Navy Activities in Vieques**  
**Author(s):** N García Martínez, AM López, M Soto, S Rosado, B Berríos  
**Affiliation:** Servicios Científicos y Técnicos  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Environmental Data – Sediment  
**Date of Publication:** 2002  
**Title:** **Heavy Metal Studies in Sediments from Gato and Anones Lagoons**  
Pages 25-26 in *Science and Ecology: VIEQUES in Environmental Crisis*  
**Author(s):** Arturo Massol-Deyá and Elba Díaz  
**Affiliation:** Casa Pueblo de Adjuntas; University of Puerto Rico, Mayaguez Campus  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data – Pineapples and Soil  
**Date of Publication:** 2005  
**Title:** Determination of Arsenic (As), Cadmium (Cd), Chromium (Cr), Cobalt (Co) and Lead (Pb) in “Smooth Cayenne” Pineapple Fruit, Leaves Tissue and Soil Using Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)  
**Author(s):** José L. López Morales  
**Affiliation:** University of Puerto Rico, Mayagüez Campus  
**Publication Status:** Masters in Chemistry Thesis

**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Environmental Data – Plants  
**Date of Publication:** April 10, 2000  
**Title:** **Heavy Metals in the Impact Area Prevailing Vegetation, Vieques, Puerto Rico**  
**Author(s):** Arturo Massol-Deyá and Elba Díaz  
**Affiliation:** Casa Pueblo de Adjuntas and University of Puerto Rico, Mayagüez  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data - Plants  
**Date of Publication:** January 10, 2001  
**Title:** **Toxic Metals in the Vegetation of the Civilian Zone of Vieques, Puerto Rico**  
**Author(s):** Arturo Massol-Deyá and Elba Díaz  
**Affiliation:** Casa Pueblo de Adjuntas and University of Puerto Rico, Mayagüez  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data – Plants  
**Date of Publication:** 2003  
**Title:** **Trace Element Composition in Forage Samples from a Military Target Range, Three Agricultural Areas, and One Natural Area in Puerto Rico**  
**Author(s):** Elba Díaz and Arturo Massol-Deyá  
**Affiliation:** University of Puerto Rico, Mayagüez  
**Publication Status:** Caribbean Journal of Science, Vol. 39, No. 2, 215–220, 2003  
**Peer Review Status:** Peer reviewed  
**Cited by Rothman:** Yes

**Category:** Environmental Data – Plants  
**Date of Publication:** August 14, 2005  
**Title:** **Trace Elements Analysis in Forage Samples from a U.S. Navy Bombing Range (Vieques, Puerto Rico)**  
**Author(s):** Arturo Massol-Deyá, Dustin Pérez, Ernie Pérez, Manuel Berrios, and Elba Díaz  
**Affiliation:** University of Puerto Rico  
**Publication Status:** Int. J. Environ. Res. Public Health 2005, 2(2), 263–266  
**Peer Review Status:** Peer reviewed  
**Cited by Rothman:** No

**Category:** Environmental Data - Plants  
**Date of Publication:** January 2008  
**Title:** **Evaluation of Heavy Metals in Agricultural Products of a Farm with Organic Practices in the Bo. Lujan Sector Destination of Vieques (Puerto Rico)**  
**Author(s):** Elba Diaz de Osborne, Pablo Acevedo-Acevedo, and Arturo Massol-Deyá  
**Affiliation:** University of Puerto Rico

**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data – Livestock  
**Date of Publication:** 2001  
**Title:** **Herbivorous [Goats]: Additional Evidence of Heavy Metal Mobilization Through the Food Web**

**Author(s):** Arturo Massol-Deyá  
**Affiliation:** Casa Pueblo de Adjuntas and University of Puerto Rico  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data – Sea Life  
**Date of Publication:** December 6, 1999  
**Title:** **Draft Findings in Vieques, Puerto Rico [Heavy Metals in Reefs Where Bombs Are]**

**Author(s):** James Porter  
**Affiliation:** University of Georgia, Consultant to King and Spalding  
**Publication Status:** Letter to law firm, King and Spalding  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data – Crabs  
**Date of Publication:** January 12, 2000  
**Title:** **Biomagnification of Carcinogenic Metals in Crab Tissue, Vieques, Puerto Rico**

**Author(s):** Arturo Massol-Deyá and Elba Díaz  
**Affiliation:** Casa Pueblo de Adjuntas and University of Puerto Rico, Mayagüez  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data – Sea Grass  
**Date of Publication:** June 2000  
**Title:** **Research on the Physical and Chemical Conditions of Sea Grasses *Thalassia testudium* and *Syringodium filiforme* in Vieques**

**Author(s):** Fernando L. Herrera, Brenda Alicea Lopez, Blanca Diaz Perez, Siomara Cardona Vilella, Neritza Guerra Villanueva, and Maria C. Ortiz Rivera  
**Affiliation:** Metropolitan University, School of Environmental Affairs; Universidad de Puerto Rico, Arecibo  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data – Fish  
**Date of Publication:** June 2000  
**Title:** **Toxicological Study of Heavy Metals in Fish Populations at Vieques Island**

**Author(s):** Doris Caro PhD, Mei-Ling Nazario, and Noel Díaz

**Affiliation:** Metropolitan University  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data – Sea Life  
**Date of Publication:** March 8, 2004  
**Title:** **Radiological, Chemical, and Environmental Health Assessment of the Marine Resources of the Isla de Vieques Bombing Range, Bahia Salina del Sur, Puerto Rico**

**Author(s):** James Barton and James Porter, PhD  
**Affiliation:** Underwater Ordnance Recovery, Inc. and University of Georgia, respectively  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Environmental Data – Sea Life  
**Date of Publication:** February 12, 2009  
**Title:** **Carcinogens Found in Marine Life in Island of Vieques in Puerto Rico**  
**Author(s):** James Porter, PhD  
**Affiliation:** University of Georgia  
**Publication Status:** Press Release  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Environmental Data – Coral Reefs  
**Date of Publication:** July 2008  
**Title:** **A Tale of Germs, Storms, and Bombs: Geomorphology and Coral Assemblage Structure at Vieques (Puerto Rico) Compared to St. Croix (U.S. Virgin Islands)**  
**Author(s):** Bernhard Riegl, Ryan P. Moyer, Brian K. Walker, Kevin Kohler, David Gilliam, and Richard E. Dodge  
**Affiliation:** National Coral Reef Institute  
**Publication Status:** Journal of Coastal Research 24(4):1008-1021  
**Peer Review Status:** Yes  
**Cited by Rothman:** No

**Category:** Environmental Data - Air  
**Date of Publication:** May 1999  
**Title:** **Contamination Produced by Explosives and Explosive Residues in Vieques**  
**Author(s):** Rafael Cruz Pérez, PE  
**Affiliation:** College of Engineers  
**Publication Status:** Dimension magazine  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Environmental Data - Air  
**Date of Publication:** 2007  
**Title:** Particulate Matter (PM<sub>10</sub> and PM<sub>2.5</sub>) from Different Areas of Puerto Rico  
**Author(s):** Adriana Gioda, Ulda Perez, Zenaida Rosa, and Braulio D. Jimenez-Velez

**Affiliation:** University of Puerto Rico  
**Publication Status:** Fresenius Environmental Bulletin, 2007, v. 16-No.8,  
**Peer Review Status:** Yes  
**Cited by Rothman:** No

**Category:** Environmental Data - Water and Soil  
**Date of Publication:** May 11-16, 1978  
**Title:** **Vieques Litigation Support: Explosives Analyses of Water and Soil Samples Taken on Vieques Island, Puerto Rico**

**Author(s):** JC Hoffsommer and DJ Glover  
**Affiliation:** Navy, Naval Surface Weapons Center, Explosives Chemistry Branch, MD  
**Publication Status:** Self-published  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Human Biomonitoring – Heart Disease  
**Date of Publication:** January 2001  
**Title:** **Vibroacoustic Disease Induced by Long-Term Exposure to Sonic Booms**  
**Author(s):** R Torres, G Tirado, A Roman, R Ramirez, H Colon, A Araujo, F Pais, W Maciniak, J Nobrega, A Bordalo e Sa, JMC Lopo Tuna, M Alves-Pereira, NAA Castelo Branco  
**Affiliation:** Virtual Research Group and Center for Human Performances  
**Publication Status:** Draft manuscript  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Human Biomonitoring – Hair and Stool  
**Date of Publication:** circa 2000  
**Title:** **Innocence Battered on Vieques, Scientific Investigation of Toxic Metals Present in the Biological Terrain of Vieques Children and Adults and Their Effects on Nutrient Mineral**  
**Author(s):** Carmen Colón de Jorge, Edgardo Santiago, John Brooks, Francisco Lopez Perez, Jaime Rivera, Rafael Valle  
**Affiliation:** College of Physicians and University of Puerto  
**Publication Status:** draft manuscript (unpublished)  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Human Biomonitoring – Hair  
**Date of Publication:** January 29, 2002  
**Title:** **Heavy Metal Exposure and Disease in the Proximity of a Military Base**  
**Author(s):** Carmen Ortiz-Roque  
**Affiliation:** Private practice, GINECO, San Juan, PR  
**Publication Status:** draft manuscript (unpublished)  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Human Biomonitoring – Hair  
**Date of Publication:** 2004  
**Title:** **Mercury Contamination in Reproductive Age Women in a Caribbean island: Vieques**  
**Author(s):** Carmen Ortiz-Roque, Yadiris López-Rivera  
**Affiliation:** Private Practice, GINECO, San Juan, Puerto Rico  
**Publication Status:** J Epidemiol Community Health 2004 58:756-757  
**Peer Review Status:** Yes  
**Cited by Rothman:** No

**Category:** Human Biomonitoring – Hair, Nails and Urine  
**Date of Publication:** 2004 and 2006-2008  
**Title:** **Arsenic Detected in Urine, Nails and Hair Study** (Exact title not available)  
**Author(s):** Carlos Rodriguez Sierra  
**Affiliation:** University of Puerto Rico, Department of Environmental Health  
**Publication Status:** El Vocero (newspaper article)  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Human Biomonitoring – Blood  
**Date of Publication:** November 2006  
**Title:** **Executive Summary of the Prevalence of Heavy Metals in Vieques**  
**Author(s):** Juan Alonso Echanove and Luis Manuel Santiago  
**Affiliation:** Commonwealth of Puerto Rico, Department of Health  
**Publication Status:** draft manuscript  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Human Biomonitoring – Hair  
**Date of Publication:** Not yet published  
**Title:** **Not yet determined**  
**Author(s):** Dr. John Wargo  
**Affiliation:** Yale University, Connecticut  
**Publication Status:** draft manuscript (not available)  
**Peer Review Status:** None  
**Cited by Rothman:** Yes

**Category:** Health Outcome Data  
**Date of Publication:** November 11, 2006  
**Title:** **Cancer Incidence and Mortality in Vieques 1990-2001**  
**Author(s):** Nayda R. Figueroa, MD, MPH, Erick Suárez, PhD, Taina De La Torre, MS, and Mariela Torres, MS  
**Affiliation:** Commonwealth of Puerto Rico, Department of Health  
**Publication Status:** Self published  
**Peer Review Status:** None  
**Cited by Rothman:** No

**Category:** Health Outcome Data  
**Date of Publication:** March 2000  
**Title:** **Exploratory study of health and other conditions in Vieques**  
**Author(s):** Neftali Garcia Martinez, Yadiris Lopez, and Crisarlin Carrosquillo  
**Affiliation:** Scientific and Technical Services and the University of Puerto Rico Graduate School of Planning  
**Publication Status:** Self published  
**Peer Review Status:** Unknown  
**Cited by Rothman:** No