

1. Record Nr.	UNINA9910812229703321
Autore	Albright Richard D
Titolo	Death of the Chesapeake : a history of the military's role in polluting the bay // Richard D. Albright
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, c2013
ISBN	1-118-75666-5 1-118-75658-4 1-118-75651-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (232 p.)
Disciplina	639.544
Soggetti	Marine pollution - Chesapeake Bay (Md. and Va.) Oceanography - Research - Chesapeake Bay (Md. and Va.) Chesapeake Bay (Md. and Va.)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title Page; Copyright Page; Contents; Preface; Special Recognition for Those Who Enlightened the Author on Underwater Issues or on the Chesapeake Bay Itself; List of Acronyms; Introduction; 1 The Formation of the Bay and Its Drainage Area; References; 2 Nutrient Dynamics, Depletion, and Replenishment; 2.1 Nutrient Loads and Oxygen Depletion; 2.2 Nitrogen and Phosphorus from Munitions; 2.3 Munitions Disposal Areas; 2.4 Chemical Weapons Disposal in the Bay; 2.5 Total Yearly Contaminant Loads from Federal Facilities Entering the Chesapeake Bay 2.6 Sewage Contamination by Military FacilitiesReferences; 3 Safety Issues with Old Munitions; 3.1 Old Explosives Can Spontaneously Detonate; 3.1.1 Underwater Munitions Can Migrate; 3.1.2 Density; 3.1.3 Wide Area Assessments [8]; 3.1.4 Human Death from Underwater UXO Detonations; 3.1.5 Human Death or Injury from Chemical Underwater UXO; 3.1.6 Human Chronic Illness from Munitions Constituents in Seafood; 3.1.7 Real Estate Impacts; References; 4 Artillery Shells in the Bay; 4.1 Bloodsworth Island Range; 4.1.1 Baltimore Anchorages; 4.1.2 Fort Armistead; 4.1.3 Proximity-Fuze Testing 4.2 Seacoast Artillery4.2.1 Fort Smallwood (1896-1928); 4.2.2 Fort

Monroe, VA; 4.3 Fort Meade; 4.4 Naval Research Laboratory - Chesapeake Bay Detachment; 4.5 Aberdeen Proving Ground; References; 5 Bombs in the Bay; 5.1 Langley AFB; 5.2 Tangier Island; 5.3 Atlantic Test Ranges, Patuxent River, Maryland; 5.4 Plum Tree Island; 5.4.1 Other Targets; 5.4.2 Combination Bombing and Artillery Ranges; 5.5 Ragged Point; 5.6 Hebron Bomber Airport (Intersection of Route 50 & Route 347); 5.7 Accidental Bombing of Wittman, MD; References; 6 Mines and Torpedoes in the Bay  
6.1 The Disappearing Droids of Chesapeake Bay 6.2 Patuxent Naval Mine Warfare Test Station; References; 7 Military Munitions and Explosives Factories; 7.1 Triumph Industries; 7.2 US Penniman Shell Loading Plant; 7.3 Chestertown, MD, Munitions Plant; References; 8 Contamination from Military Constituents Leading to Environmental and Human Health Concerns; 8.1 Potential Health Effects of the Munitions Constituents Closely Associated with Military Munitions; 8.2 Perchlorates; 8.3 Lead; 8.4 Explosive Contaminants; 8.4.1 Health Effects of Nitrates; 8.4.2 Environmental Damage from Leaking Toxins  
8.5 Sampling for Military Contaminants References; 9 Chemical Weapons Sites on Chesapeake Bay or in the Watershed; 9.1 Aberdeen Proving Ground; 9.1.1 Training Ranges; 9.1.2 General Ordnance Expended; 9.1.3 Specific Contaminants; 9.1.4 Carroll Island Study Area; 9.1.4.1 Background; 9.1.4.2 Findings to Date; 9.1.4.3 Remedial Actions; 9.1.5 White Phosphorus; 9.2 Pooles Island; 9.3 Berlin, MD; 9.4 American University Experiment Station; 9.5 Patuxent River Chemical Incineration; 9.6 Langley; 9.7 Naval Research Laboratory - Chesapeake Bay Detachment  
9.7.1 Dumpsite Containing 150 Tons of Lewisite Near NRL [9]

---

Sommario/riassunto

In essence this book deals with an area that contributes significantly to the pollution and degradation of Chesapeake Bay, but has been completely overlooked in many of the efforts to restore the Bay, specifically, the federal military pollution sources. The book also recognizes for the first time, that efforts to restore the Bay have failed because of violation of a fundamental precept of environmental cleanup; that is, to sample the site and see what is there. The Bay itself has never been sampled. Thus this book presents a view of the environmental condition of Chesapeake Bay that is tota

---