

username

LOGIN

New Account »
Forgot Password?

chaff



Advanced Search »

Ads by Google

Aluminum Framing System
T-Slot Aluminum Framing Solutions
Low Prices. Fast Service.
www.mkprofiles.com

Health Risk Assessments
Wellsourc, Health Risk Assessments
A leading provider of HRA systems
www.wellsourc.com

Van Heusen Pilot Shirts
Aviator, Commander, Pilot, Eagle, & Edward's
Short \$16.50, Long \$17.50
www.pilot-shirts.org

Aluminum Supplier
China's Top Factory for Aluminum, Spraying, Coating, Extruded, etc.
www.goldapple.com.cn

Aviation Aircraft

Estimation of Aluminum Contributions of U.S. Navy Flight Training Operations in the Chesapeake Bay

Authors: [Cody L. Wilson](#); [Anis Miladi](#); [Robert L. Carpenter](#); [William K. Alexander](#); [Kenneth R. Still](#); [NAVAL HEALTH RESEARCH CENTER WRIGHT-PATTERSON AFB OH TOXICOLOGY DETACHMENT](#)

Abstract: This document reports the results from an investigation of the impact of aluminized glass **chaff** countermeasures on environmental aluminum levels in the Chesapeake Bay. This study was conducted by the Naval Health Research Detachment (Toxicology) in response to concerns expressed over the potential environmental hazards that might be associated with the release of aluminized glass **chaff** fibers during training exercises by Naval aviators. **Chaff** used to provide protection against radar based attack on aircraft and other military vehicles is composed of aluminum coated glass fibers. Concern has been expressed as to the environmental hazard and potential for human health risk associated with routine release of this material during training exercises. The objective of this study was to evaluate the impact of U.S. Navy flight training operations on aluminum content in the Chesapeake Beach region of the Chesapeake Bay, an area over which **chaff** countermeasure flight training operations have been conducted for nearly a quarter century. Exchangeable and monomeric aluminum content in sediment from the flight path within the Bay is not significantly different from nearby background levels within the Bay. Background residential exchangeable aluminum levels were not significantly different from soil samples obtained from a residential area adjacent to the NRL-CBD complex at Chesapeake Beach.

Limitations: APPROVED FOR PUBLIC RELEASE
Pages: 33
Report Date: JUN 2000
Report Number: A454683

Keywords relating to this report:

- ✦ [ALUMINUM COATINGS](#)
- ✦ [CHAFF](#)
- ✦ [CHESAPEAKE BAY](#)
- ✦ [COUNTERMEASURES](#)
- ✦ [ENVIRONMENTAL IMPACT](#)
- ✦ [ENVIRONMENTS](#)
- ✦ [ESTIMATES](#)
- ✦ [FLIGHT TRAINING](#)
- ✦ [GLASS](#)
- ✦ [GLASS FIBERS](#)
- ✦ [NAVAL AVIATION](#)
- ✦ [NAVAL OPERATIONS](#)
- ✦ [NAVAL TRAINING](#)
- ✦ [PILOTS](#)
- ✦ [TOXICOLOGY](#)

- Adobe PDF - \$19.95
- Printed Format - \$32.95

ADD TO CART

Please check the box for the format you wish to order.

[Shipping Terms](#)
[About Electronic Delivery](#)

[Email This Abstract](#)

[« Back to search](#)