

Evaluating soil contamination

U.S. Dept. of the Interior, Fish and Wildlife Service - Evaluation of Hydrocarbon Soil Pollution Using E

Description: -

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Financial statements.

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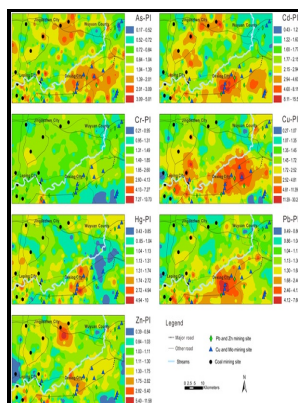
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Biological report (Washington, D.C.) -- 90-2.

Biological report -- 90(2)Evaluating soil contamination

Notes: Includes index.

This edition was published in 1990



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Pollution indices as useful tools for the comprehensive evaluation of the degree of soil contamination

Regardless of the site-specific nuances, developing a site conceptual model will ultimately help you visualize how contaminants move in the environment at your site and how people might come into contact with these contaminants.

Surface Contamination

Alternative assessments Soil assessments The need to remediate soil contamination is generally determined by comparing contaminant concentrations in a soil sample to a substance-specific standard the residual contaminant level or RCL. Directions for completing the exposure and demographic structure file EDS file. The color of a soil can also be indicative of its condition.

Soil Contamination

In addition, ground temperature can affect the movement of contaminants as frozen ground cover can increase runoff and inhibit groundwater recharge. This section presents information on factors that you might consider when evaluating fate and transport of environmental contaminants, the second element of an exposure pathway.

NJDEP SRP

Identifying possible contamination sources helps determine what environmental media may be affected and how hazardous substances might reach populations at or near a site. According to ATSDR policy ATSDR 2000 , an EDS file must be completed by the primary author of every PHA, public health advisory, and health consultation as a means for documenting critical demographic information. Vapor intrusion occurs when gases from the contaminated soil or ground water seep through cracks and holes in foundations or slabs of buildings and accumulate in basements, crawl spaces or living areas, as shown in the diagram below.

NJDEP SRP

For the calculation of each of the complex indices, total concentrations of all analyzed heavy metals in soils as well as in some cases individual values of the calculated indices were used. Background contamination Many materials and substances commonly found in commercial and residential settings, such as paints, paint thinners, gasoline-powered machinery, certain building materials and cleaning products, dry cleaned clothing and cigarette smoke, contain VOCs that may be detected by indoor air testing.

SL443/SS657: Tools for Evaluating Soil Health

UCC constitutes an RGB that represents the lithogenic contents of heavy metals which are not under the influence of pedogenic processes. The first part is a cover page with site identification information, public health hazard category, and any reasons for not providing receptor population estimations.

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