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# Terrils

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The Use of Termites and Other Soil Fauna to Develop Soils on Strip Mine Spoils

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Elastic-plastic Stability Analysis of Mine-waste Embankments

Wave Conditions for Pier 400 Dredging and Landfill Project, Los Angeles Outer Harbor, Los Angeles, California

Demersal Fishes, Benthic and Epibenthic Invertebrates, and Sediment Characteristics at and Adjacent to Offshore Disposal Site F, Coos Bay, Oregon, April 1992

Remote Sensing of Mine Waste

Analysis of Dump Point Accidents Involving Mobile Mining Equipment

Revegetating Processed Oil Shale and Coal Spoils on Semi-arid Lands

Encyclopedic Dictionary of Landscape and Urban Planning

Management Plan for the Disposal of Contaminated Material in the Craney Island Dredged Material Management Area

Sprouting of Thinned Hybrid Poplars on Bituminous Strip-mine Spoils in Pennsylvania

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Methodology for Analysis of Subaqueous Sediment Mounds

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Performance of ponderosa pine on bituminous mine spoils in Pennsylvania

Experimental Planting of 14 Tree Species on Pennsylvania's Anthracite Strip-mine Spoils

Coal Refuse Fires, an Environmental Hazard

An Evaluation of Trees and Shrubs for Planting Surface-mine Spoils  
Legal and Institutional Constraints on Aquaculture in Dredged Material Containment Areas  
Mine Spoil Potentials for Water Quality and Controlled Erosion  
Agglomeration-heap Leaching Operations in the Precious Metals Industry  
Factors Affecting the Establishment of Direct-seeded Pine on Surface-mine Spoils  
Ground-water Hydrology Before, During, and After Coal Strip Mining of a Small Watershed in Coshocton County, Ohio  
Naoya Hatakeyama  
Survival and Early Growth of Planted Forest Trees on Strip-mine Spoils in the Anthracite Region  
Success of Trees and Shrubs in an 18-year-old Planting on Mine Spoil  
Burnout Control at the Albright Coal Waste Bank Fire  
Fires in Abandoned Coal Mines and Waste Banks  
Groundwater Quality Monitoring of Western Coal Strip Mining  
Rotational Failure Mechanisms Using Multiple Friction Circles for Stability Analysis  
Monitoring of Waves and Currents Near the Alabama Dredged Material Mounds

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### **The Use of Termites and Other Soil Fauna to Develop Soils on Strip Mine Spoils** Lannoo Uitgeverij

The Craney Island Management Plan was developed to extend the life of the Craney Island Dredged Material Management Area (CIDMMA). The CIDMMA is used to dispose maintenance and new work dredged material from the project area. With current practice, CIDMMA would reach

ultimate capacity by the year 2000. If, however, suitable material is barged to the sea and only contaminated material is placed in the facility (Restricted Use Program), then the life of the facility can be extended. Two tasks were addressed in this study: (a) determine service life under Restricted Use and (b) determine contaminant losses and conduct a Comprehensive Analysis of Migration Pathways (CAMP) expected to occur under Restricted Use. The results showed that the service life of the CIDMMA could be extended under Restrictive Use for

approximately 140 years under baseline conditions or 90 years under Worst Case conditions. The CAMP analysis was conducted along three major contaminant migration pathways (effluent, leachate, and volatile). Effluent was the most significant pathway for metal losses and volatilisation and for polynuclear aromatic hydrocarbon (PAH) losses. Leachate losses under a fully dewatered condition would not exceed effluent losses for some metals. PAH losses for a fully dewatered condition would not exceed effluent losses.

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In 1961 the Northeastern Forest Experiment Station, in cooperation with the Pennsylvania Power and Light Company, began a research program on revegetation—primarily reforestation—of the coal-mine spoils of Pennsylvania's Anthracite Region. The first two studies were of survey type. Frank (1964) classified and mapped all the area disturbed by anthracite mining, which he found in 1962 to total 112,000 acres. Of this acreage, 76 percent was due to strip-mining; and more than half of the disturbed land was still practically devoid of tree cover. Czapowskyj and McQuilkin (1966) reported on a 1962 survey of all tree plantings made on anthracite spoils up to and including 1955 (plantings 7 or more years old). They also offered a tentative classification of anthracite strip-mine spoils as media for tree growth. Because those early tree-planting efforts were small trials made without benefit of formal experimental design, the results were no more than indicative of survival and growth that might be expected from the various species. Therefore, in 1963 a designed planting experiment, involving

11 coniferous and 3 hardwood species, was established across a broad spectrum of strip-mine spoil types and grading conditions. This paper presents the 5-year results from those plantings. S3.

### **Elastic-plastic Stability Analysis of Mine-waste Embankments** Editions Light Motiv

Montagnes noires construites de la main des hommes, dans le premier pays du continent à connaître la révolution industrielle, les terrils wallons s'étirent sur plus de 200 km et présentent une richesse écologique exceptionnelle. Près de 340 terrils majeurs datant du XIXe siècle et des centaines de terrils mineurs se dressent le long des bassins houillers de Wallonie. *Wave Conditions for Pier 400 Dredging and Landfill Project, Los Angeles Outer Harbor, Los Angeles, California* Springer Science & Business Media

In 1962 a survey-type study was conducted to evaluate the performance of forest tree species in established plantings on strip-mine spoils of the Anthracite Region of Pennsylvania. Plantations representing a wide range of site conditions in all four anthracite fields were examined.

### TerrilsLannoo Uitgeverij Demersal Fishes, Benthic and Epibenthic Invertebrates, and Sediment Characteristics at and Adjacent to Offshore Disposal Site F, Coos Bay, Oregon, April 1992

This unique, multilingual, encyclopedic dictionary in two volumes covers terms regularly used in landscape and urban planning, as well as environmental protection. The languages are American and British English, Spanish (with many Latin-American equivalents), French, and German. The encyclopedia also provides various interpretations of the terms at the planning, legal or technical level, which make its meaning more precise and its usage clearer.

### Remote Sensing of Mine Waste

En 2009-2010, Naoya Hatakeyama (1958) est accueilli en résidence artistique dans le bassin minier du Nord-Pas de Calais, à la suite de quoi une exposition est présentée en 2010. Le présent ouvrage vient couronner en un troisième volet cette résidence en rendant compte de la production du photographe d'origine japonaise, à partir d'une sélection ici réunie autour des terrils et crassiers de la

région minière. Bilingue français-anglais

### **Analysis of Dump Point Accidents Involving Mobile Mining Equipment**

S2 Plantings of 25 shrub and 25 tree species on a surface mine were evaluated after 18 years and results were compared to a 4-year evaluation. Pin oak, sweet birch, European white birch, Austrian pine, and bur oak show promise of value for wood products. Several other species are useful as soil builders and site stabilizers and for wildlife habitat. Results of the evaluation suggest that mortality of some species over the past 14 years is related primarily to intraspecific and interspecific competition rather than spoil characteristics.S3.

### **Revegetating Processed Oil Shale and Coal Spoils on Semi-arid Lands**

The view that active dredged material containment areas (DMCA) are unproductive, commercially unusable, and

incompatible with local needs can be challenged by demonstrating that there are situations where dredged material and DMCA's can be used to create positive benefits. One example would be a profitable and biologically productive use of disposal acreage for aquaculture. A 2 day workshop on aquaculture in DMCA's held in Galveston, Tex., in September 1982 attended by representatives from the Corps, other Federal and State agencies, private industry, and academia, examined issues affecting the technical, economic, and practical use of DMCA's for aquaculture.

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