

Master's Projects — M.S. in Environmental Management

2007 Projects

Air quality in Beijing: problems and prospects

An analysis of the voluntary carbon offset market: implications for climate change mitigation

An analysis of water quality trading policy: critical factors in design and implementation

Are copper roofs causing water pollution? As an example, the de Young Museum's copper roof

Assessment of the relative impacts of three fishing methods on coral reef ecosystems

A comparison of cold ironing to exhaust gas cleaning systems for reduction of emissions from deep draft vessel exhaust: a San Pedro Bay Ports Case Study

A comparison of remediation strategies for contaminant removal

Dioxin (TCDD) exposure past & present: lessons from the Agent Orange legacy in Vietnam and the health of future generations

The effects of seasonal factors on the sensitivity of *Mytilus edulis* embryos to Copper exposure

Green preservation: the application of sustainable design principles to the rehabilitation of historic structures

Harbor seal immune system health problems due to Polychlorinated biphenyl (PCB) exposure: causes and management recommendations for San Francisco Bay

How can carbon trading help California achieve AB32 goals?

How do market-based policies contribute to environmental racism: a look at AB 32's potential effects on West Oakland

Metal removal methods from acid mine drainage

Potential of energy generation from municipal solid waste streams

Protecting biodiversity on private property: lessons learned from landowner participation in incentive-based voluntary cooperative agreements

Rehabilitating urban streams for ecological success

Remediation of Sulfur Bank Mercury Mine, Clear Lake, CA

The role of voluntary industry reporting initiatives in reaching California's climate change goals

Small scooters and air quality in California

Supersized cruise ships: analysis of waste discharges, environmental impacts, and regulatory and enforcement loopholes

Using liquid hydrogen to mitigate climate changes from commercial aviation emissions at cruise altitudes

Waste minimization through composting: case study, University of San Francisco

Waste-to-energy: opportunities for creating electricity from municipal waste combustion



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Spring 2008 Projects

Application of life cycle assessment to analyze the environmental performance of a Bay Area desalination facility

Assessing functional equivalency of restored and constructed salt marshes with natural reference wetlands

The banning of Perc in the dry cleaning industry: is this eliminating one problem only to create another?

Climate change and North American migratory birds: assessment and management recommendations

A comparison of organic and conventional agriculture from a sustainability perspective

Conservation planning techniques to maintain habitat connectivity and biodiversity

The contribution of sustainable development and design practices in mitigating the environmental impact of cities

The ecological footprint: a meaningful sustainability tool for corporations?

The environmental impact of pharmaceutical and biological contaminants from concentrated animal feeding operations

Evaluating the effectiveness of instream habitat rehabilitation for improving anadromous salmonoid habitat in Oregon and Washington

Hazardous waste in the age of technology: an exploration into the hazardous waste created by contemporary society's technological innovations and the detriment that can arise

Impacts of the application of hybrid technology to SUVs

In-situ remediation technologies utilized for DNAPLs-contaminated groundwater in the Tri-City Area

Key opportunities for waste diversion at the tertiary level: a case study of San Francisco City College

Local solutions to manage the effects of global climate change on a marine ecosystem: a process guide for natural resource managers

Measurement of uncertainty and its role in environmental safety/management

Monitoring and modeling the effects of climate change on the biosphere from the earth and sky

Post-release survival of oiled/rehabilitated aquatic birds: a measurement of success

Potential impacts to food production and to the environment from the implementation of the Low Carbon Fuel Standard in California

Promoting sustainability in buildings: an analysis of the environmental attributes of green roofs

Reducing greenhouse gas emissions by producing electricity from renewable resources

Survey of methods to enhance bacterial attenuation of subsurface hydrocarbon contamination

The success and likelihood of acceptance of non-lethal wildlife deterrents

Technologies to assess and prevent release of dioxins in the environment

Treated municipal wastewater for irrigation: benefits, potential problems, and economic considerations

Vector control and GIS application: San Francisco Zoo