RESEARCH AND APPLICATION VETIVER GRASS IN REMEDIATING MINERAL OIL CONTAMINATION



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INTRODUCTION

This project was carried out in the course of a Phytoremediation program at a gold mine in Queensland, Australia in 2001- 2007

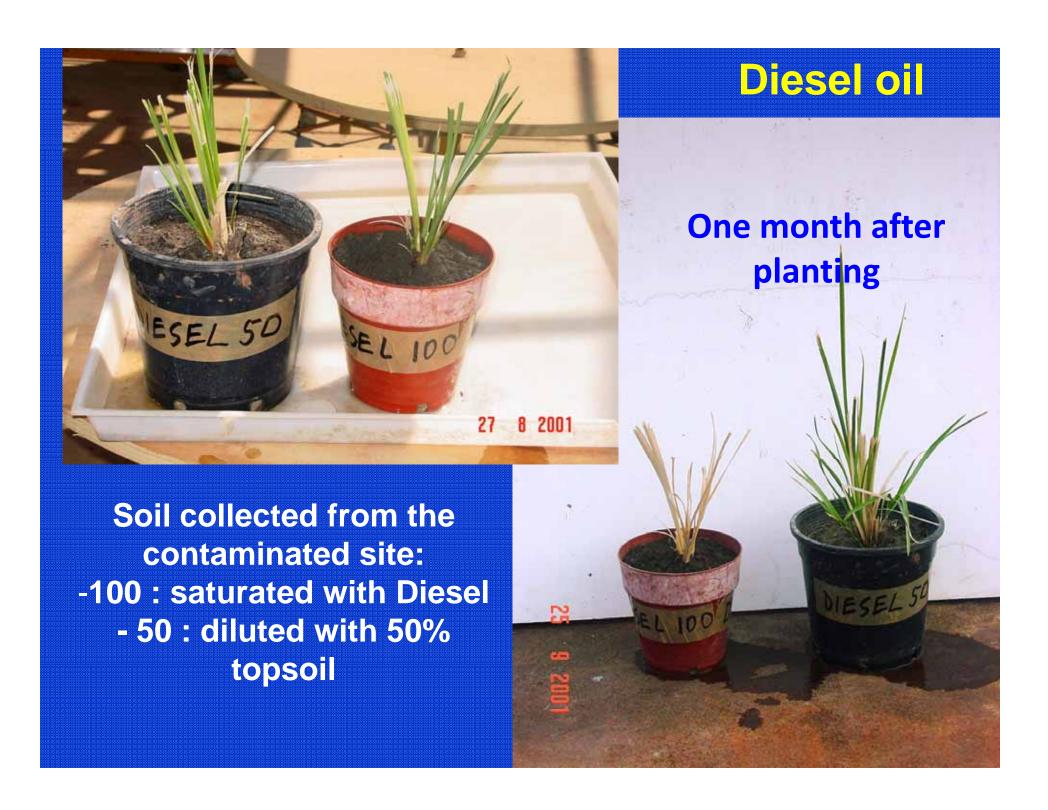


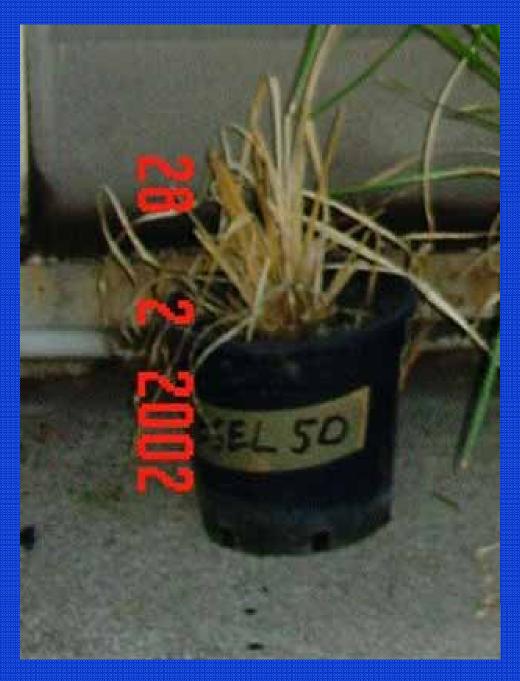
Oil contamination on the ground at mine site

Hydraulic fluid



Diesel





Six months after planting

Conclusion: Diesel oil is highly toxic to vetiver growth.
Vetiver could not survive at 50% soil level. Diesel is even more deadly if sprayed on leaves

Hydraulic Oil

Soil collected from the contaminated site:

-100: saturated with fluid

- 50 : diluted with 50%

topsoil







