

The Study Case #4 – ReSoil[®]-Military in Eidskog, NORWAY

Information of site owner/site provider

- Forsvarsbygg - The Norwegian Defence Estates Agency
- Source of funding: Envit Ltd. R&D funds

Objective

Pilot-scale trial of reclamation of military Børja SØF shooting and training field/polygon. The area consists mainly of bogs

Contaminated site characterization

Remediation of **organic peat soil** contaminated with 1400-8500 mg kg⁻¹ Pb, 900-4000 mg kg⁻¹ Zn, 3500-47000 mg kg⁻¹ Cu

Remediation results

- Removal of 94-96% of Pb, 98% of Zn, and 62-72% of Cu
- Soil properties and functions as a natural substrate were preserved

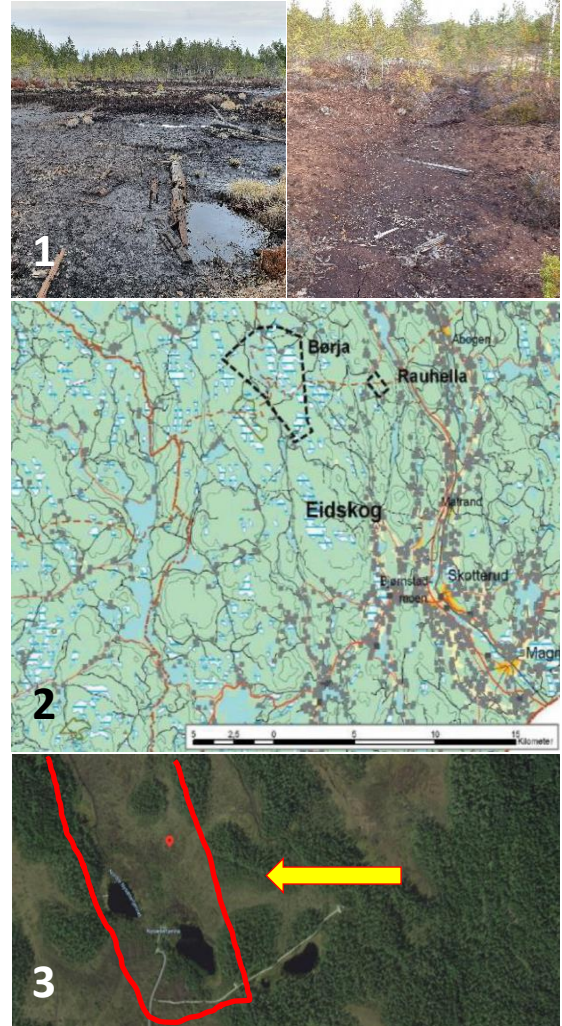


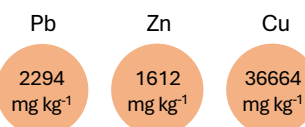
Figure 1 collage taken by Øystein Løvdaal (Multiconsult), Figure 2 taken from Børja - Risk assessment and action plan, REPORT NO. 0576/2021 / EC-SØF

Site description

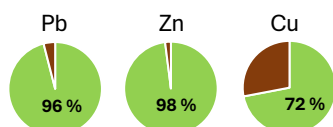
Børja shooting and training field (Børja SØF) is located in Eidskog, Kongsvinger and Sør-Odal municipality, Innlandet. The area consists mainly of bogs. Børja SØF's location in Eidskog, Kongsvinger and Sør-Odal municipalities is shown in Figure 2. Figure 3 shows an overview of areas where shooting activity has occurred.

ReSoil[®] REMEDIATION EFFICIENCY

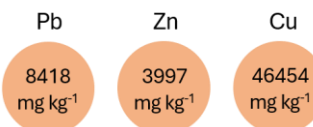
Initial metal concentration



Reduction of metal concentration



Initial metal concentration



Reduction of metal concentration

