Aspects of Vegetation Monitoring in active hard coal mining areas using Imaging Spectroscopy

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Christian Fischer

Institute for Geotechnical Engineering and Mine Surveying
Clausthal University of Technology
test site: Kirchheller Heide
hydrological balance

affected area

surface

3D surface movements

non-scaled illustration of subsidence

seam

limiting angle

full seam extraction

increasing distance between surface and ground-water table

decreasing distance between surface and ground-water table
environmental impacts

1997
DPA - CIR

1998
HRSC-A pan

2000
HyMAP - CIR

2003
IKONOS - CIR
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Thank you for your attention