British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

www.bgs.ac.uk

Digital Products at British Geological Survey

Consultation and Demonstration Seminar

Thursday 27th July 2006

10.30 - 14.30

BGS, Keyworth

Kingsley Dunham Centre
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WELCOME

Fire exits and alarm

Lunch

Please turn off your mobile phones

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Agenda

- Introduction
- GeoSure – Natural Ground Instability Data
- Environmental Sensitivity Data
  - for Strategic Environmental Assessment Reports
- Other data products
- Demonstrations
- Feedback and discussion session
- Lunch (hands-on test of GIS data)
- Demonstration of 3D visualisation suite
- Close

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Why are we doing this ?

- We want to better understand your needs
- We want to build data sets of use
- We want to know what you think we are doing well
  - And what we can improve
- We'd like you to know what we've developed so far
  - And what we have planned
- We'd like to know if these fit with your future needs

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Why does BGS licence data?

- **It's part of our mission** - we have knowledge that can help people make informed decisions about factors that cause damage to property and health
  - (e.g. radon induced cancer causes c2000 deaths pa and natural ground stability causes >£300 million of insured losses to property pa)

- **Our budget** from NERC covers only 50% of our costs: we need to generate revenue to allow us to do more and better science

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National products to date

Baseline Data

- Digital Mapped Geology (DiGMapGB)
- Borehole Database (SOBI, BoGE)
- Ground Water Levels
- Bathymetry
- Scanned Archives
  - i. Geology maps
  - ii. Topography maps
  - iii. Borehole logs
  - iv. Reports
  - v. Photographs

Derived Data

- GeoSure
  - i. Landslides
  - ii. Swell-shrink
  - iii. Compressible
  - iv. Collapsible
  - v. Soluble rocks
  - vi. Running sands
- Permeability
- Groundwater Flooding
- Superficial Deposits Thickness
- Environmental Sensitivity
- Minerals Information Online

- Geochemistry
  - i. Radon
  - ii. Methane
  - iii. CO2
  - iv. Natural oil seeps

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