

MIST/BGS co-funded project Environmental and economic information for future aggregates planning

Dissemination & consultation seminar January 2005

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Seminars

- Tuesday 18th January 2005
 The Natural History Museum, London
- Thursday 20th January 2005
 BGS< Keyworth, Nottingham
- Thursday 27th January 2005
 Royal Armouries Museum, Leeds





Environmental information and tools

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Outline

- Drivers for information
- Environmental information
- Environmental sensitivity mapping
- Methodology





Drivers for environmental information

- Strategic Environmental Assessment
 - environmental baseline data is required
 - alternatives need to be identified
- Environmental appraisal of aggregates provision
 - scenario testing of supply of aggregates
 - environmental focus, some economic drivers
- Sustainability Appraisal
 - an assessment of all three pillars of sustainability
 - environment, economic and social

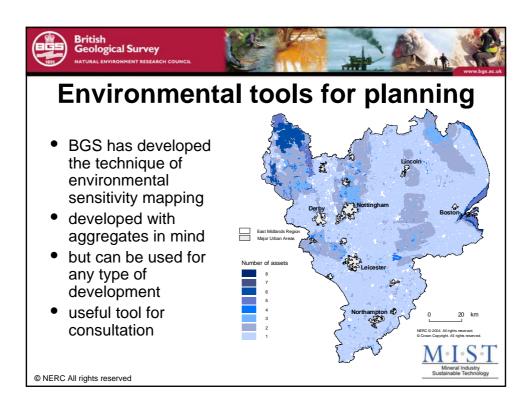


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Environmental information for planning

- when considering options for aggregates provision spatial information is necessary e.g
 - location of aggregate resources
 - location of valued environmental & cultural features
- necessary for:
 - baseline studies and for considering alternatives
- necessary to inform decision making and to explain decision making



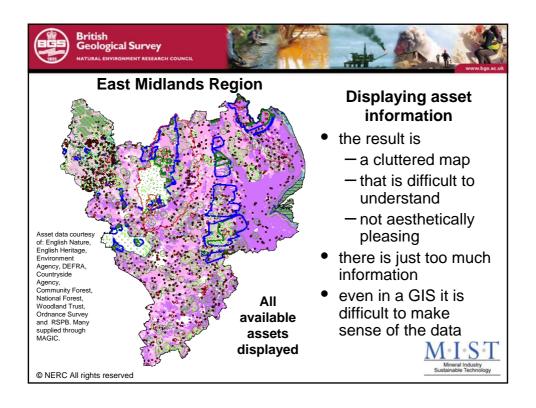


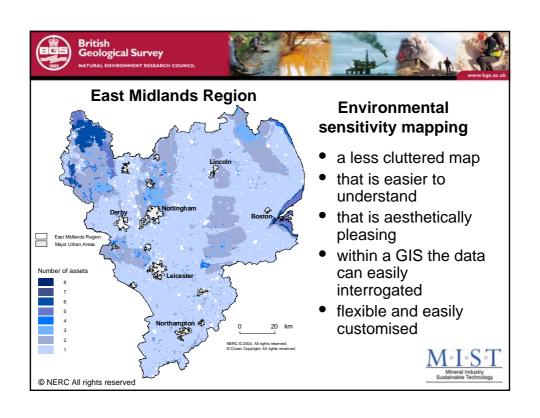
Environmental sensitivity

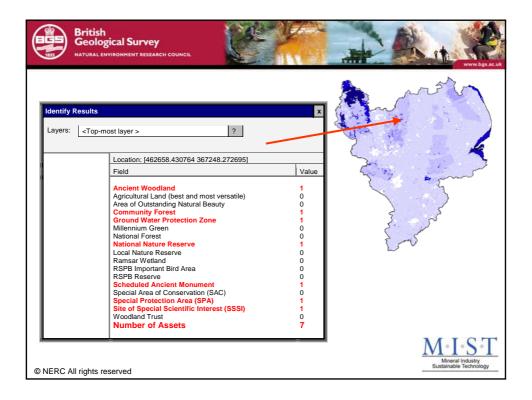
- sensitivity is based on the number of environmental and cultural assets in an area
- higher sensitivity means there are more assets in a area (like a density map)
- the data shows the gradation between the MOST and the LEAST environmentally sensitive areas
- higher sensitivity does NOT preclude development













Phase 1: Feb 2003 - March 2004

Strategic Environmental Assessment (SEA) and future aggregate extraction in the East Midlands Region

- Identify aggregate resources in study area
- Develop methodology of environmental sensitivity mapping
- Produce draft map for consultation
- Modify methodology based on consultation
- Dissemination & final report

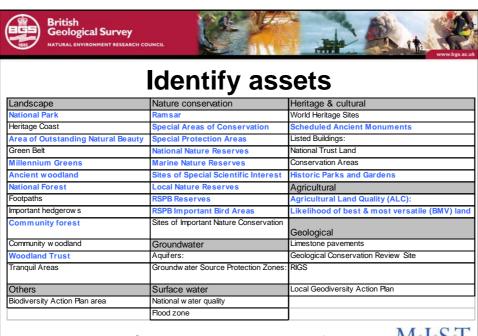
Phase 2: April 2004 - March 2005

Environmental & economic information systems for aggregates provision

- Develop online version of the environmental sensitivity map
- Develop economic tools for planning

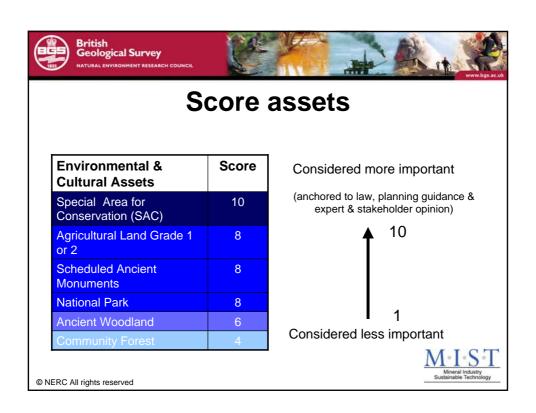
Mineral Industry
Sustainable Technology

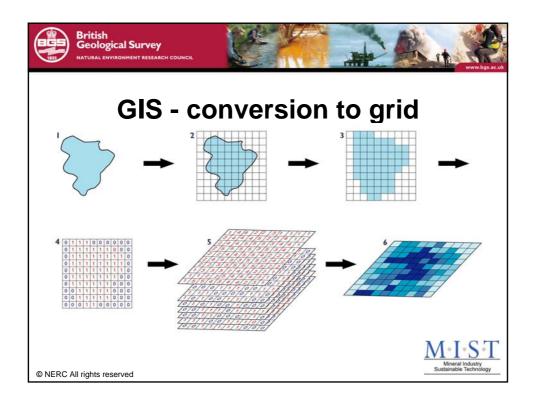
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Over 50 assets were identified

Mineral Industry Sustainable Technology







Why convert to grids?

- to generalise the data
 - not exact site boundaries
 - to reduce copyright and IPR issues for 3rd party data
- to analyse the data more easily
- to provide the basis for seamless coverage
 - grids are aligned to British National Grid
- with all data in one layer it can be quickly interrogated by the user
 - one click identifies all the assets at that location



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Stakeholder consultation

- Stakeholder workshop held on Nov 7th 2003
- Range of stakeholders:
 - Planners
 - Industry
 - Government organisations
 - Non-government organisations
 - Consultants
- Also one to one consultations with planners
- Dissemination seminar Feb 10th 2004





Modifications to methods based on consultation

- Not to restrict scoring to only those assets that overlay aggregate resources
- Remove scoring system, replace with 'frequency of assets'
- Users want to know why an area has a high or low score - can't do this with a map
- Interactive map online GIS? (Phase 2)



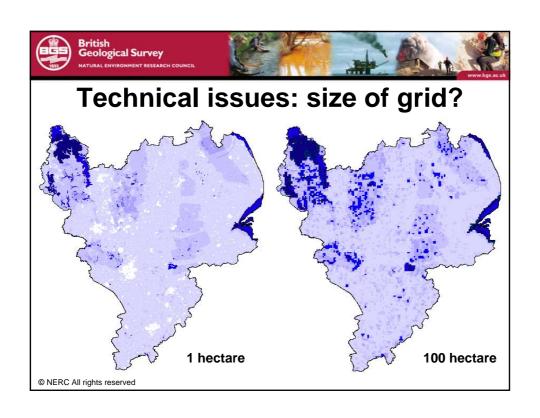
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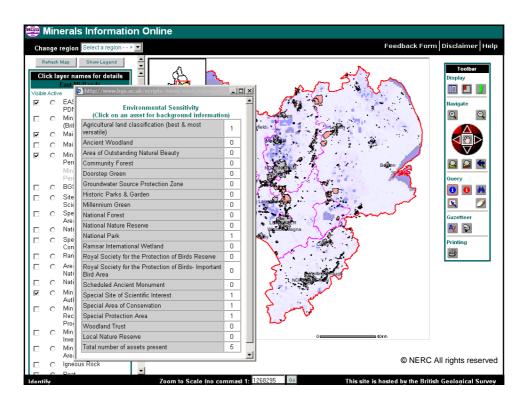


Phase 2

- Provide 'online' version of environmental sensitivity map
- Consultation and dissemination
- Final report (due end March 2005)









Limitations & considerations

- · all assets are included, no assets have been 'sieved'
- the method does not reflect the impacts from quarrying
 - this is the role of site specific EIA.
- coverage is not restricted to aggregate resources
- data is limited to:
 - measurable and mapped assets
 - available digitally
 - that are free
 - are available consistently across the region
- map is only as good as the data that can be obtained or used



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Feedback

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