

*Communicating Science and Stakeholders-
The Surveyors Role of the Future.*

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The Traditional Role of Chartered Surveyors

- **50% of UK land mass managed in some way by chartered surveyors**
- **RICS Formed in 1868, now 120,000 members in 120 countries worldwide - a large resource**
- **Predecessors were land stewards –custodians of land**
- **Traditionally at the centre of communities –communicating owners interests**
- **Sustainability always was a key aspect of land management**
- **The first environmentalists?**
- **Have become specialists to keep up with the technological revolution**



Specialist activities in the Environment:

- **Environmental assessment**
- **Environmental audit**
- **Environmental risk assessment**
- **Environmental management**

An environmental practice may apply all these:

For example-

Environmental assessment of rural and urban land, EIA, protected species, hazardous materials, environmental risk assessment of brownfield land, urban regeneration, environmental management and mitigation.

At both strategic and specialist levels

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Other forces at work:

- **Importance of environmental and sustainability agenda**
- **Previously at the cutting edge, now MAINSTREAM**
- **Sense of urgency driven by climate change agenda**
- **Now a better understanding of practical meaning of sustainable development**
- **Corporate greening and sustainable investment**
- **The expectations of legislators, communities and stakeholders have risen**

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Surveyors roles

- **Already deeply involved as technological specialists**
- **Increasingly implementing the new agendas and technologies**
- **Increasingly connecting science and sustainable development**
- **The essential link between these is effective communication**

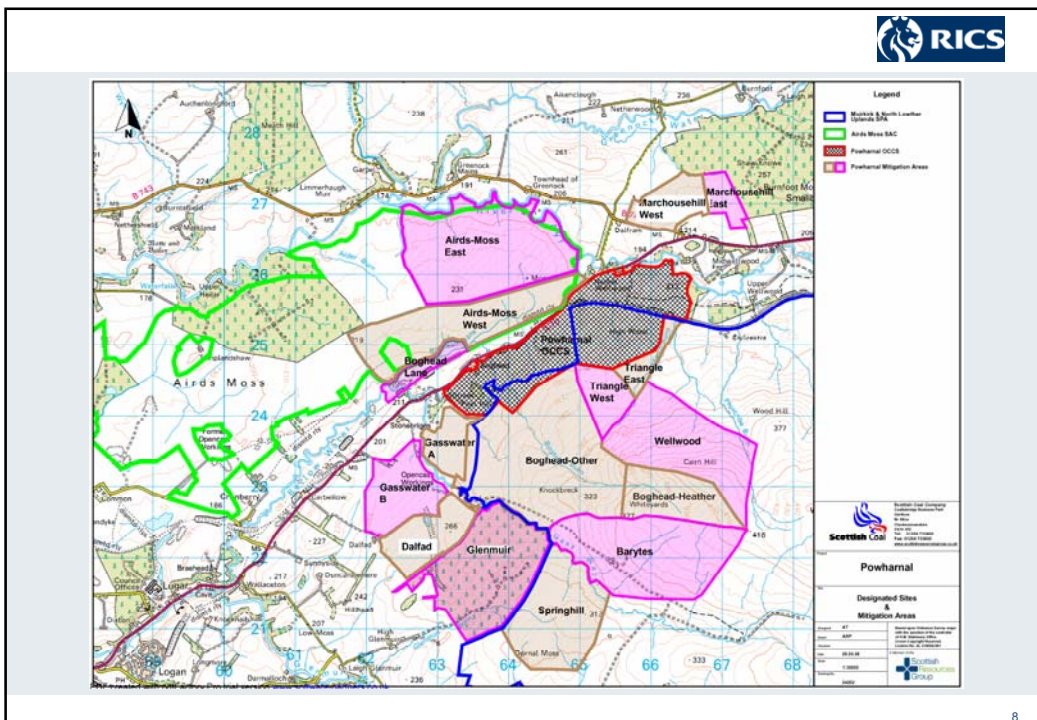
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Case example – Powharnal Mitigation Management Plan, Scotland

- **A major opencast coal mining site producing high quality coals affecting 439 ha of marginal farmland and upland in the South West of Scotland**
- **Key issue is that much of the site lies within an ecological designation RAMSAR site which is both SSSI and Special Protection Area,**
- **Designated for its breeding population of 5 bird species of European importance.**
- **High profile site- highest ecological designation ie RAMSAR site under EC Habitats Directive and area of high unemployment and valuable coal reserves.**
- **As part of planning consent agreement, the establishment of a long-term 20 year Mitigation Management Plan.**
- **Involving the dedicated management of a further 2325ha Mitigation Areas by the mineral operator, secured by Legal Agreement.**

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Surveyors Role

Promoting the development:

- Chartered Surveyors as development and Environmental Impact Assessment coordinator, and minerals Company MD.
- Development proposal, strategic financial decisions, environmental impact assessment and planning application.
- Financial commitment
- Surveyor Key roles in promoting the development, liaising with Stakeholders and the public.

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Surveyors Role continued

Appointment as project manager for the 20 year environmental mitigation project, working on behalf of a steering group of the Stakeholders consisting of :

Scottish Coal (Surveyors as client),
East Ayrshire Council (Local Planning Regulator),
Scottish Natural Heritage (RAMSAR Regulator), and
RSPB Scotland (influential interest group).

Surveyor Key roles in formulating the PMMP conservation management plan itself – part of the legal agreement for the site,

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Surveyor Key roles

The PMMP activity itself:

- Mitigation work –grazing, wetland creation, habitat creation and management, muirburn heather management.
- Bird monitoring for raptors, moorland birds, waders
- Prey species monitoring for grouse, small upland birds, and field Voles
- Management Committee of Stakeholders to oversee the PMMP
- Appointment of conservation assistant
- Progress monitoring & reporting of the Coal site itself

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Surveyor Roles

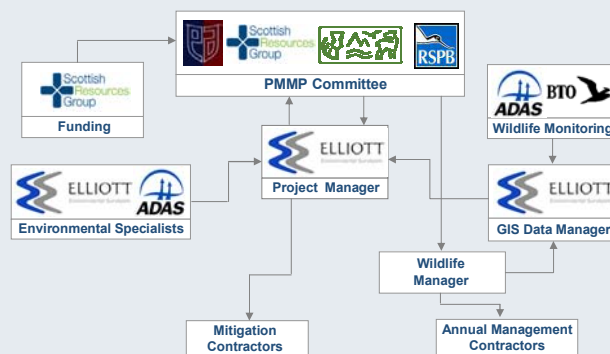
PMMP Project manager:

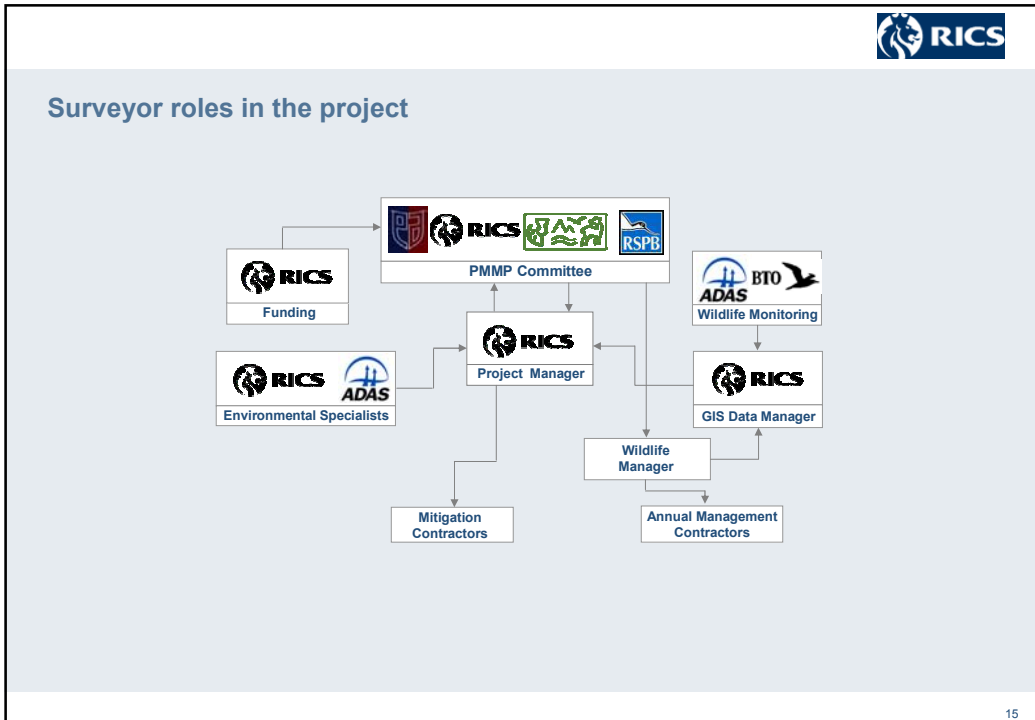
- Convening Steering Committee meetings
- Coordinating specialist data inputs –
- Data collection, collation analysis and reporting
- GIS, CAD and CMS used extensively for data analysis, and presentation
- E-reporting on an Annual basis.

- Central surveyor skills are communication and coordination



Project Structure





- ### The Proposition
- **Surveyors now – technical specialists or communicators of science?**
 - **As the environmental agenda has become more prominent, so has the potential role of the surveyor as communicator**
 - **Modern Surveyors have the essential qualities – technical, business, communication skills**
 - **Surveyors are well positioned to take a leading role in communicating between science and stakeholders – the role of the future?**



Surveyor aspirations for the future

By background and training surveyors have a key understanding of the context and application of sustainability practice

- *Understanding of legislative and regulatory frameworks*
- *Understanding of economics of land*
- *Understanding of client aspirations for - investment, asset management, development.*
- *Understand the role of specialists*
- *Understand how these fit together and integrate*
- *Communication skills*
- *Practical and pragmatic approach*

A unique platform for the application of modern environmental practice.

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The size of the opportunity for Surveyors

Environmental UK consulting market £4 billion. Growth range 20 - 200%.

- *Nearly all surveyors impacted by environment issues.*
- *Growth driven by legislation.*
- *Greater accountability by business*

Rural economy valued at £17 billion; 5 - 20% growth, 9% pa until 2010.

- *Rural change management, development and consultancy*

Geomatics value £150 billion to the UK. GIS - growth 10.7% to 2010.

Minerals and Waste minerals turnover £33 b, value of market £10.4 - £33.6 b.

- *Significant activity in extraction, recycling and waste management*

And globally.....?

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