

MoorLIFE 2020

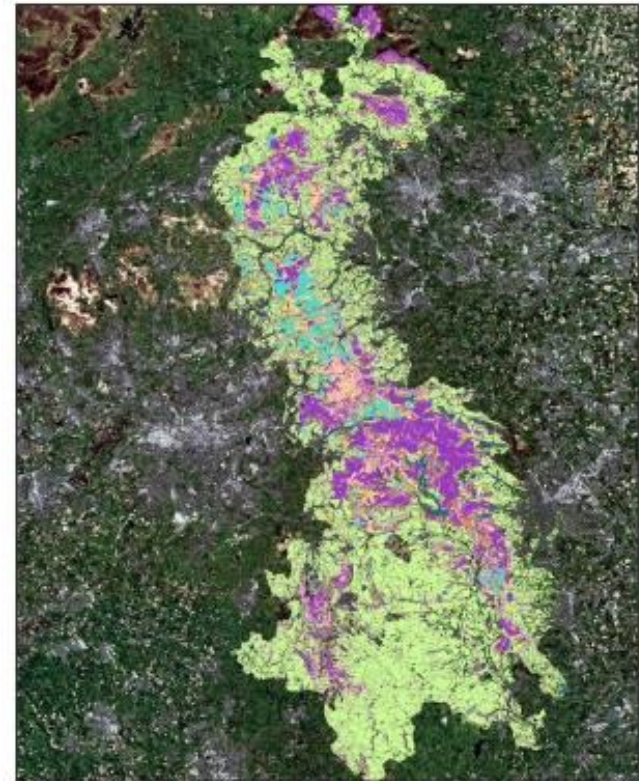


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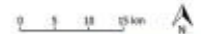


Landscape Scale

- **Active Blanket Bog areas from Kinder to Aire Valley**
- **Within the SAC**
- **Water Safeguard Zones**
- **650 Km²**



South Pennine Moors - Draft Classification - 15th June 2016




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Delivering in Partnership

- **Peak District National Park Authority**
- **Natural England**
- **Environment Agency**
- **National Trust**
- **United Utilities**
- **Yorkshire Water**
- **Severn Trent Water**
- **Moorland Owners**
- **NFU**
- **Pennine Prospects**
- **RSPB**



Resilient Outcomes for the Future

- **improve biodiversity**
 - **improve water quality**
 - **retain carbon in the soil**
 - **reduce the risk of wildfire**
 - **reduce flood risk**
 - **Recreation helping to improve health and well-being and helping secure the rural economy**
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Conservation works

- **Revegetating and stabilising areas of bare peat – 43 hectares of bare peat.**
- **Raising water tables – 15,300 dams.**
- **Tackling dominant species and breaking up single stands of vegetation – 965 hectares.**
- **Managing invasive species – 1800 hectares**
- **Re-introducing Sphagnum mosses - 1440 hectares**

Exploring in Partnership

- **Engaging, Listening, Learning & Sharing – Partners, Stakeholders, Peatland Projects including National & European LIFE Projects – visiting & hosting delegations**
- **Science monitoring – evidence based research**
- **Cutting Edge Techniques – evolution of effective solutions**
 - **LSF Applications**
 - **Understanding Soil Moisture – inform Sphagnum application**
 - **Sphagnum Trials – new ways to manage land**
 - **Sphagnum Application**

Public Engagement & Communications

- **Fire Aware campaigns – Peak District and South Pennine FOG groups, Fire Services & Landowners**
- **Bogtastic Experience – taking the Bog experience to people**
- **Innovative Bogtastic Van.**
- **Youth groups – inspiring the next generation**



Sphagnum Rafts

- **RSPB initiative (Kate Hanley)**
- **German & Russian Projects**
- **Hosted by United Utilities on disused reservoir**
- **Researched by project**
- **Trials piloted by Project**
- **Started June 2017**
- **6 species of Sphagnum**



Science

- Land cover map
- Remote sensing using UAVs
- Monitoring :
 - biodiversity and ecosystem services
 - the impact of the project on the local community
 - greenhouse gas emissions in a carbon audit



Tackling Peat Pipes

- **Working with Leeds University & Manchester University**
 - **PhD Student – Taco Regensberg from Leeds University**
 - **Innovative ways to effectively and efficiently block peat pipes**
 - **Monitoring starts 1st April 2018**
 - **Leading to best practice guidance**
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C6 – Land Management Engagement

- **Develop land management advice on management that balances production and nature conservation outcomes for the Active Blanket Bog**
- **Worked closely with the Upland Management Group**
- **Demonstration sites.**
- **Show and Tell sites**



Thank You

