

DR CHRISTIAN DUNN







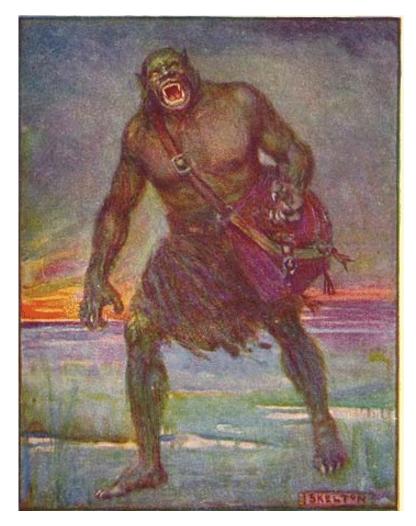








"To work in them you normally need wellies but you don't need a boat"











### Giant inefficient compost heaps













Tollund Man
Denmark
1950
2,500 years old



Lindow Man Cheshire 1984 2,000 years old





# Carbon Farming



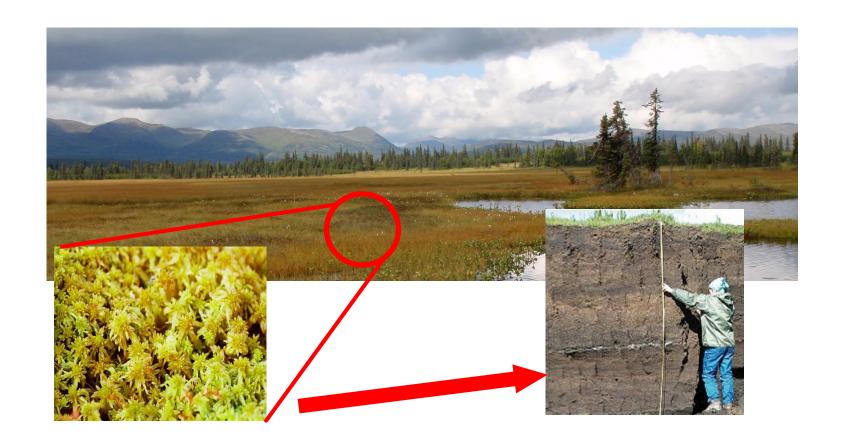












# Wetlands What have they ever done for us?



### Wildlife

Unique and diverse habitats for flora and fauna



#### Culture

Inspiration for many ancient and modern art forms and spirtuality



#### Resources

Everything from food, to building materials and medicines



### Clean water

Natural and constructed wetlands treat and filter wastewater



### Flood prevention

Help mitigate flooding events by storing and slowing water flows



### Civilisation

Birth place of many early civilisations



### Defence

Used strategically in battles and wars



### Wellbeing

Provide recreational spaces and activites



#### Climate control

Prevent dangerous amounts of carbon from entering the atmosphere



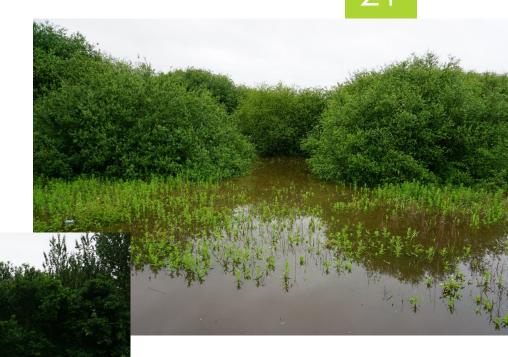












# Wet meadow



### Wet meadow

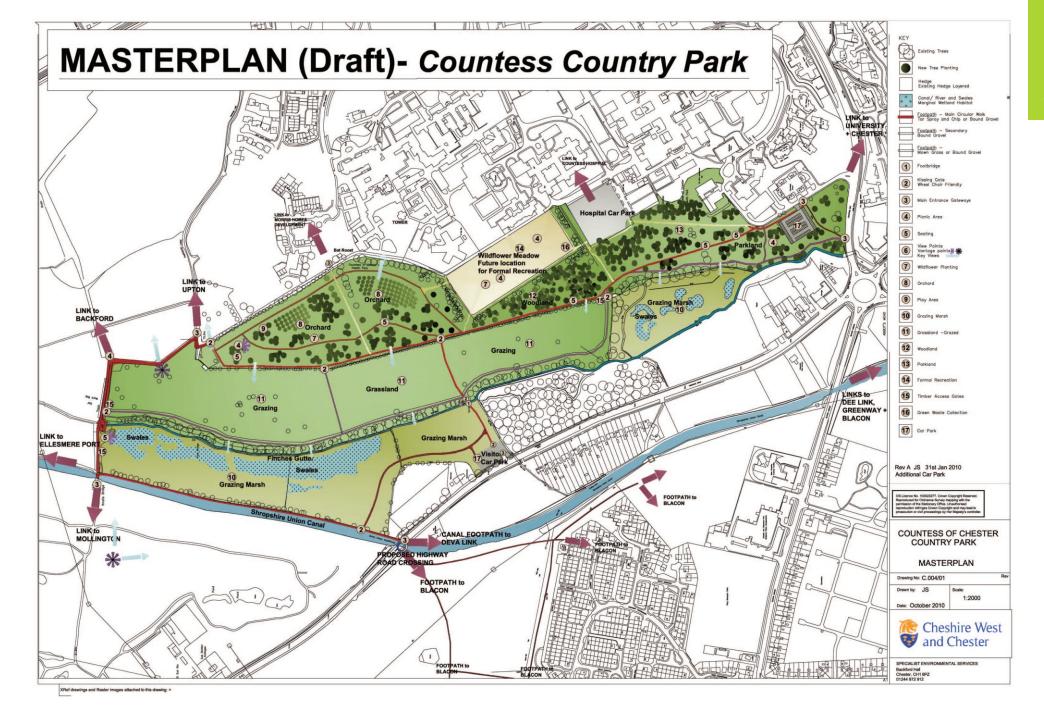
- Brief periods of flooding and longer periods of saturation
- Occasional standing water
- High plant diversity
- Attract large numbers of birds, small mammals and insects
- Meadow regular vegetation removal
- Becoming rarer in the UK



The Hay Wain. John Constable. 1821

## How?

- 1. Amount of water (and when)
- 2. Quality of water
- 3. Vegetation management



### Where we're at...



### Advisory panel

- ► EA, CWaC, Friends group, Land Trust, local MP and councillors, Bangor University, Chester Zoo, Cheshire Wildlife Trust, Chester University, TCV Merseyside, Friends of the Earth Chester & District
- Project group
- Land acquisition
- Surveys
- Fundraising

# The steps



Building initial treatment wetland & irrigation channels

2

Flood water holding area. Vegetation management.

3

Board walks and educational resources

4

Hide/educational centre

### The wins

- Create a rare, beautiful and valued habitat
- Increase biodiversity
- Aid flood mitigation
- Treat water pollutants
- Educate
- Research site
- Wellbeing



# The potential?

### **London Wetland Centre**







### Chester Wetland Centre



