**READ ME**

Details of data stored and accessible through BorDar.

If there are any questions related to this data, please use the following two email contact options:

* Contact s5117147@bournemouth.ac.uk until 2025. After that year, please enquire through Bournemouth University, Faculty of Archaeology and Anthropology for an updated email address.
* Contact contributions@phynd.online, the email attached to the PhyND.online website

**Thesis title:**

***The Compilation of a British Lowland Heathland and Agricultural Grassland Phytolith Reference Database and its application at the archaeological site of Wytch Farm, Poole Harbour, Dorset***

There are two different data sets stored on BorDar:

1. **Laboratory and analysis results**
2. **Photos**

**Laboratory and analysis results:**

All fieldworking and laboratory processes are explained in the methodology section of the thesis document (see chapter 2 in the thesis document).

The laboratory and analysis data relates to the fieldwork collecting modern plants to create the PhyND.online database (see chapter 2.1.1, 2.2, 2.4.1, 2.4.2 and chapter 3 in the thesis document), results for soil analysis related to pH, loss on ignition and phytolith processing and phytolith counts for all samples (see chapter 2.1.2, 2.1.3, 2.3.1, 2.3.2 and 2.4.3), pollen analysis for the quadrant samples (see chapter 2.4.4) and sediment description and pXRF results for the micromorphology samples (see chapter 2.1.3 and 2.3.2 in the thesis document).

The data sheets contain:

*Sheet 1*: The **full plant list** for the plant collecting fieldwork at **Butser, Wytch Farm, Hartland Moor and the agricultural field in Gloucestershire** are the first sheet and refer to chapters in the thesis document. This sheet contains the dry ashing results as well (see chapter 2.1 and chapter 3 in the thesis document).

*Sheet 2*: The **data used to create the PhyND.online** website and shows the link to the phytolith photos extracted from the modern plants (see chapter 2.4.2 in the thesis document). The phytolith photos of the modern plants can be accessed via the PhyND.online website and are open access. They are currently stored on GitHub with plans to store them permanently on Zenodo.

*Sheet 3*: **pH, loss on ignition results and phytolith processing data** for the soil samples from **Butser, Wytch Farm quadrants and Wytch Farm core** samples (see chapter 2.1.2, 2.1.3 and chapter 4.2.1 and 4.3 in the thesis document).

*Sheet 4*: **pH, loss on ignition, phytolith processing data and soil description** for the **Wytch Farm micromorphology** soil samples (see chapter 2.1.3 and chapter 4.3.2 in the thesis document)

*Sheet 5*: **Phytolith counts** for the **Butser Bay 1** soil sample (see chapter 2.4.3 and chapter 4.2.1 in the thesis document)

*Sheet 6*: **Phytolith and pollen** count for the **Wytch Farm quadrant** samples (see chapter 2.4.3, 2.4.4 and chapter 4.2.2 in the thesis document)

*Sheet 7*: **Phytolith counts** for the **Wytch Farm core** soil samples (see chapter 2.4.3 and chapter 4.3.1 in the thesis document)

*Sheet 8*: **Phytolith counts** for the **Wytch Farm micromorphology** soil samples (see chapter 2.4.3 and chapter 4.3.2 in the thesis document)

*Sheet 9*: **pXRF** results for the **Wytch Farm micromorphology** soil samples (see chapter 2.3.2 and 4.3.2 in the thesis document)

**Photos**

The photos stored on BorDar relate to the soil analysis of the project (see chapter in the thesis document). They contain all soil phytolith photos, all pollen photos, and a selection of the Wytch Farm micromorphology soil sample subsampling procedure.

The phytolith photos of the modern plants can be accessed via the PhyND.online website and are open access. They are currently stored on GitHub with plans to store them permanently on Zenodo.

All photos are clearly marked on the images themselves, giving the location and the sample number for the image.

The **soil phytolith photos** are in files relating to each individual sample location:

Butser- Bay 1 (see 4.2.1)

Wytch Farm quadrants- quadrant 1, 2, and 3 (see 4.2.2)

Wytch Farm core soil samples- Upper core 25, 74, 122-129, 178; middle core 25, 74, 122-129, 178; lower core 25, 74, 122-129, 178 and background core samples (see 4.3.1)

Wytch farm micromorphology soil subsamples- MM4 SS1-SS9 and MM5 SS1-SS4 (see 4.3.2)

The **pollen images** are in files relating to:

Wytch Farm quadrants- quadrant 1, 2 and 3 (see 4.2.2)

The **subsampling photos** are relating to:

Wytch farm micromorphology soil subsamples- MM4 SS1-SS9 and MM5 SS1-SS4 (see 2.1.3)