Figure 2. Location of Somerset’s mineral activity.
Appendix A: Figure 5

Figure 5: Location of active, inactive and dormant aggregate quarries and British Geological Survey resource.
Figure 6. Permitted peat reserves and environmental designations in Somerset.
Figure 7. Location of factory sites in Somerset.
Figure 9. Location of operational building stone quarries and British Geological Survey resource.
Appendix B–Peat Reserve Calculations
Methodology for estimating peat reserves in the absence of data from the industry

Planning permissions: We have mapped the areas that have current valid planning permissions and categorised them into 3 groups:
- Currently working – peat remaining
- Not currently worked but able to be worked
- Currently working – almost completed

Area of working: The area and the perimeter of each planning permission has been measured using a GIS mapping tool.

Peat sites are not usually excavated right up to the boundary to protect adjacent land from losses due to subsidence or collapse. A typical standoff of 6m from the boundary has been assumed, the area of land to remain in situ calculated and deducted from the total site area.

Area to be worked = Total site area – Area left in situ adjacent to the boundary

Peat volume: Peat thickness has been estimated from a geological map of the area.

The following assumptions have been made with regards to the proportion of peat still remaining:
- Currently working – assumed 50% remaining;
- Not currently worked – assumed 100%;
- Worked almost complete – assumed 10% remaining

Where further information is available a more accurate estimate has been used.

Volume of in situ peat = Area of working x original peat thickness x proportion remaining

Volume of saleable peat = In situ peat x 0.56

Other considerations: The volume of peat within sites considered to fall under Regulation 63 has been totalled separately as these reserves may be revoked or modified. Several sites have a condition attached to their permission which prevents them from being worked at present. The total peat reserves included in such sites has been calculated separately as they are not currently workable.

Further work: Field surveys are being considered for the largest fields and stockpiles to establish reserves more accurately.