

GEOLOGICAL SECTION FROM LONDON TO SNOWDON, SHOWING THE VARIETIES OF THE STRATA, AND THE CORRECT ALTITUDES OF THE HILLS.

by *William Smith, Civil Engineer*

1817.

Coloured to correspond with his
Geological Map of England and Wales.

The Numbers refer to the Geological Table by the same Author.



This Section shows correctly the relative Altitude and general Features of the Country along the Road through the Places marked on it forming an Epitome of British Geology, naturally and distinctly divided into seven Clases, four principal Ranges of High Ground and three of low.

The hills thus appear to be chiefly composed of rocky or hard Strata & the Vallies of fax and soil.

The Elevations above the Level of the Sea are obtained from the Trigonometrical Survey.

Several distant Eminences are shown in the respective Ranges of Hills.

The Contour is unavoidably distorted from the Necessity of representing the Distances and Altitudes by different Scales.

Some Strata in the Series which are obscure upon this Road are very distinct upon others.

Further Elucidation of the Strata discovered and traced by W. Smith are given in his other Works.

Geological Map of England & Wales. 12 Sheets accompanied with a descriptive Memoir L. 5. 5. 0

Strata identified by expansion Fossils in 7 numbers 7. 6 each

Stratigraphical System of expansion Fossils

Geological Table &c. &c.

Scale of Feet

3571 Snowdon
3469 Carnedd Llwyn
3417 Carnedd Dafydd
2955 Ann Fowdrey
2809 Arranoy
2623 Cader Idris
2577 Moot Elw
1805 Brown Clee Hill
1714 Cym Mocher
1654 Long Mont Forest
1585 Mount Ganner
1230 Long Mountain
1124 Near Oakenham
1018 Broadway Hill
805 Wenderover Hill
805 Stone
577 Nuffield
514 Jack Hill
446 Shooter's Hill
451 Hanger Hill
Level of the Sea

Mineral Distinctions { Mines and Minerals are all within this Part of the Series, chiefly in the Limestone beneath the Coal and in the Central Part of the Killar — Iron works in the Coal Tract.

More than 20 Veins of Coal are discovered and worked in different Parts of the Coal Tract.

Gypsum, Salt Rock and Brine Springs.

Agricultural Distinctions { The light and dry Soils of the Chalk and Stonebrash Hills are chiefly appropriated to Sheep and Corn Farms, and the heavy Soils of the Plains, Clay Vales, and Marl Vales, to Dairies and Cereals.