



90E
661
M975
1839
V.3
[map 13]
SCURB

THE SILURIAN REGION

AND ADJACENT COUNTIES OF

SILURIAN ROCKS
(described by Sedgwick)

ENGLAND & WALES GEOLOGICALLY ILLUSTRATED

BY RODERICK IMPEY MURCHISON, F.R.S. F.L.S.

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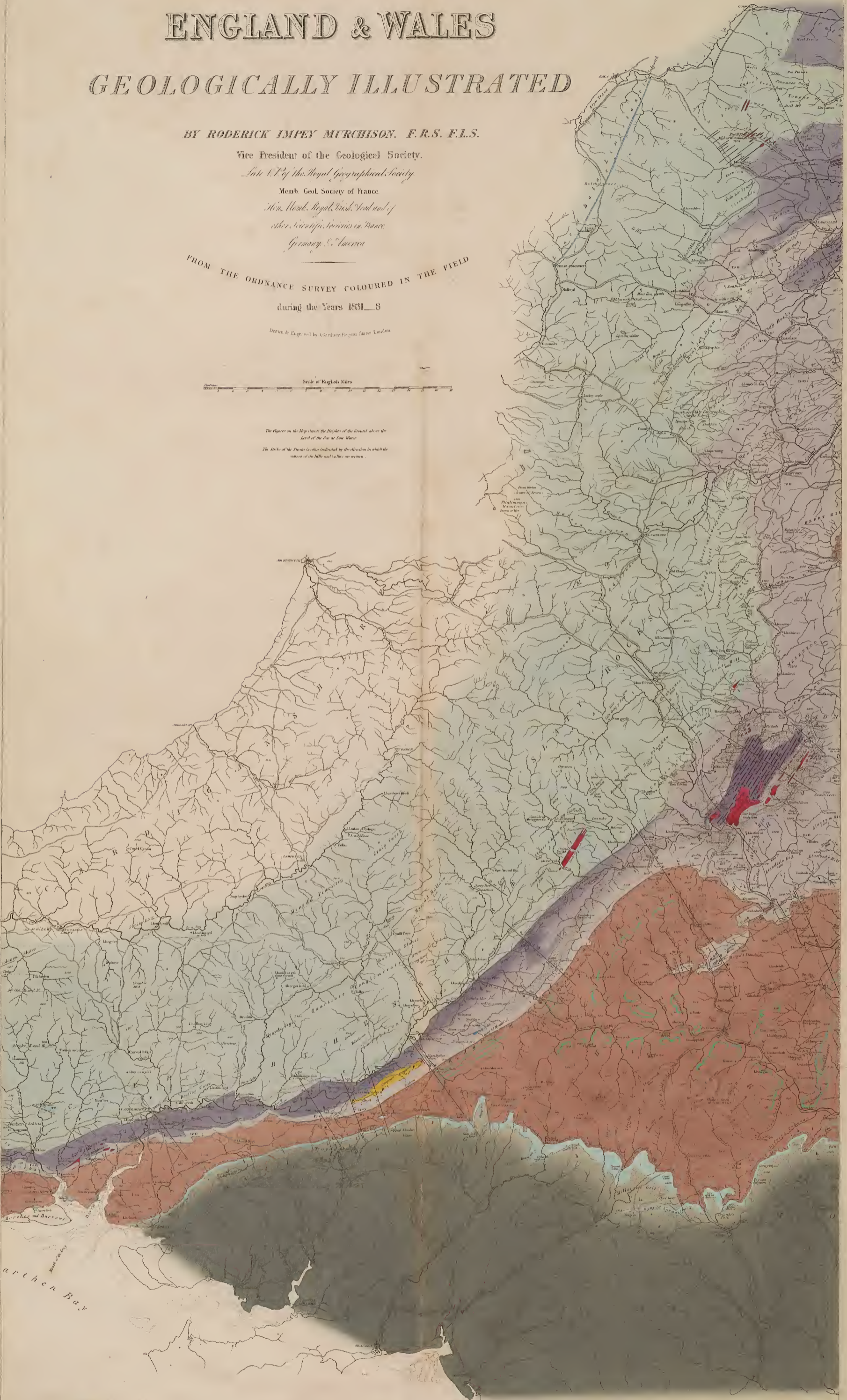
FROM THE ORDNANCE SURVEY COLOURED IN THE FIELD
during the Years 1831-8

Drawn & Engraved by A. Gardner, Roper Street London

Scale of English Miles

The Figures on the Map shew the Heights of the Ground above the
Level of the Sea at Low Water

The Strike of the Strata is also indicated by the direction in which the
summit of the Hill, and Valleys are written.



C ROCKS TO SEEDIMENTARY DEPOSITS



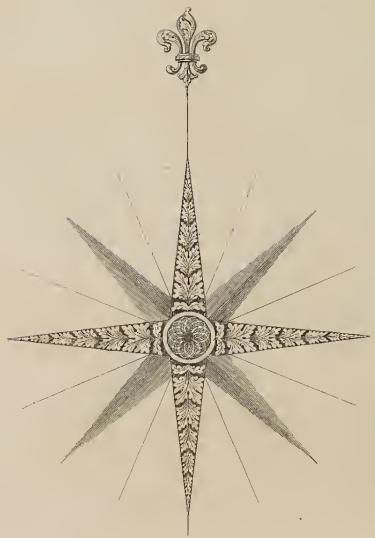
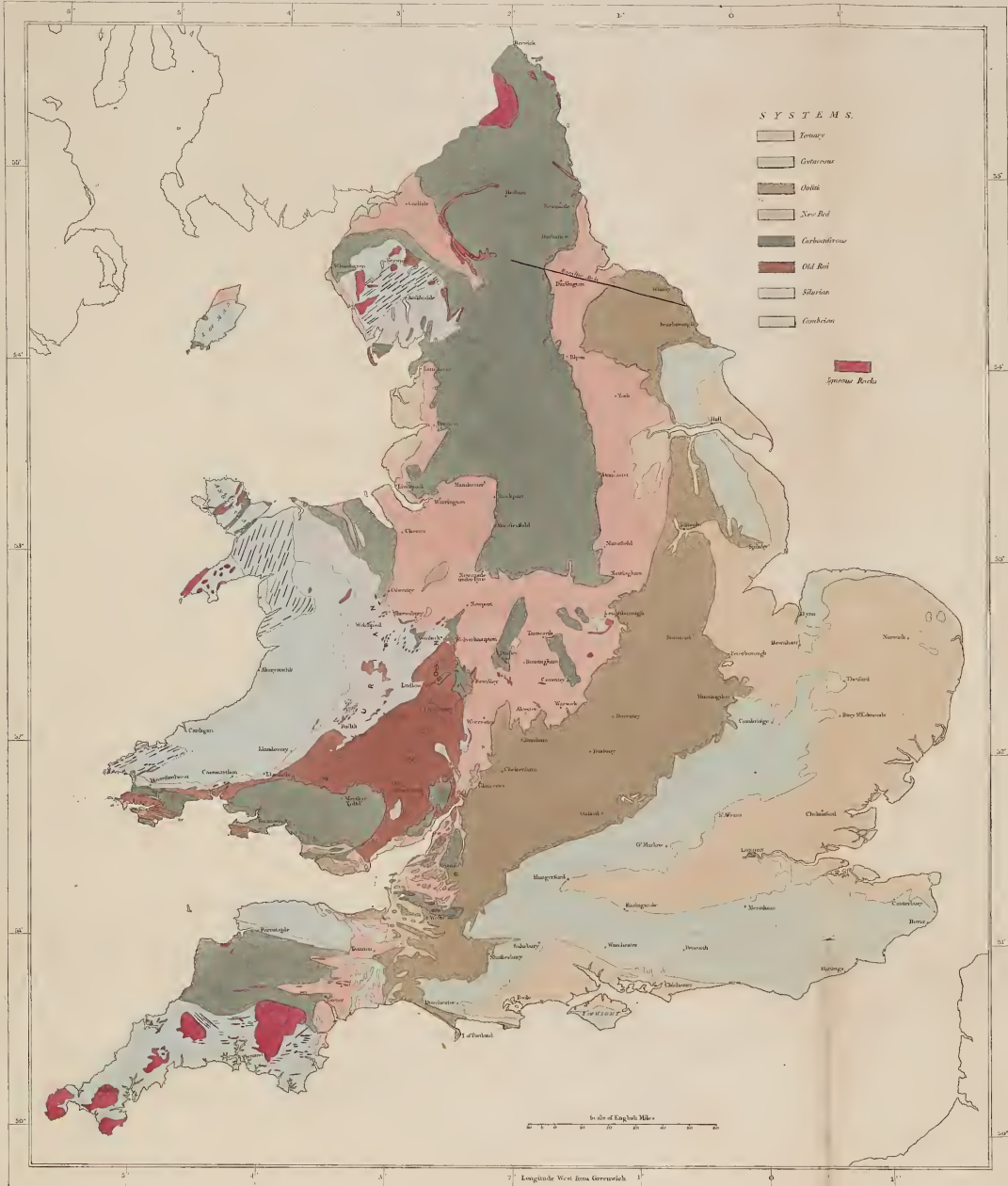


TABLE OF COLOURS OF THE SEDIMENTARY DEPOSITS.

SUBDIVISIONS

a	Inferior Oolite	OOLITIC SYSTEM
b	Upper Lias and Marlstone	
c	Lower Lias	
d	Upper Red Marl Upper Sandstone Lower Red Marl	NEW RED SYSTEM
e	New Red Sandstone	
f	Calcareous Concretion	CARBONIFEROUS SYSTEM
g	Lower New Red Sandstone	
h	Upper Coal & Freshwater Limest.	
i	Lower Coal masses	
j	Milstone Gt.	
k	Carboniferous Limestone	OLD RED SYSTEM
l	Old Red Conglomerate	
m	Thelstone of Old Red	SILURIAN SYSTEM
n	Upper Ludlow Rock Limestone or Ludlow Limest. Lower Ludlow Rock	
o	Wenlock Limestone Wenlock Shale	
p	Upper Corwen with Limestone Corwen Sandstone	
q	Llandovery Slates & Limest.	
r	Upper Cambrian beds of passage	CAMBRIAN SYSTEM
s	Slates Cambrian Rocks	

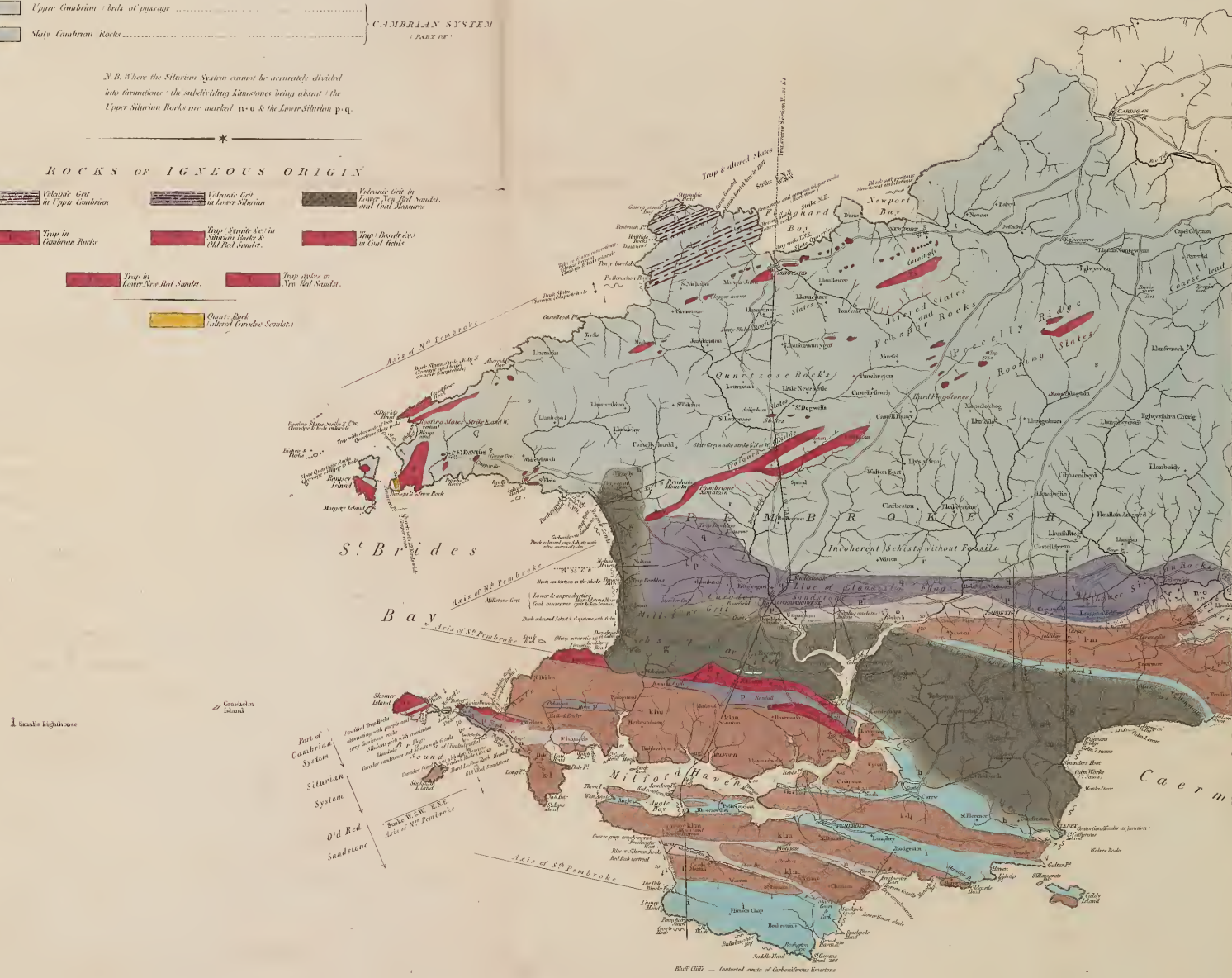
N.B. Where the Silurian System cannot be accurately divided into formations the subdividing limestones being absent the Upper Silurian Rocks are marked 'u' & the Lower Silurian 'p' & 'q'.

ROCKS OF IGNEOUS ORIGIN

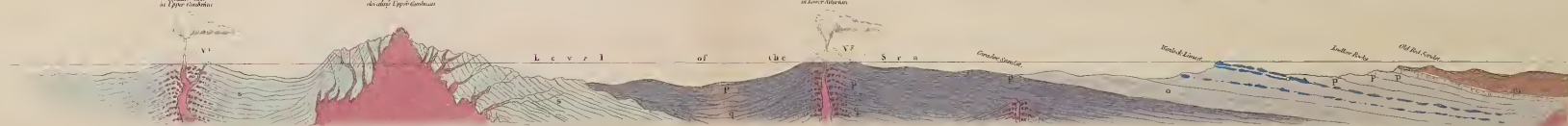
Volcanic Gt. in Upper Carboniferous	Volcanic Gt. in Lower Silurian	Volcanic Gt. in Lower New Red Sandstone and Coal Measures
Trap in Cambrian Rocks	Trap (Scaevite &c.) in Silurian Rocks & Old Red Sandstone	Trap (Basalt &c.) in Coal Fields
Trap in Lower New Red Sandstone	Trap (Dolerite) in New Red Sandstone	
	Quartz Rock (Siliceous Cambrian Sandstone)	

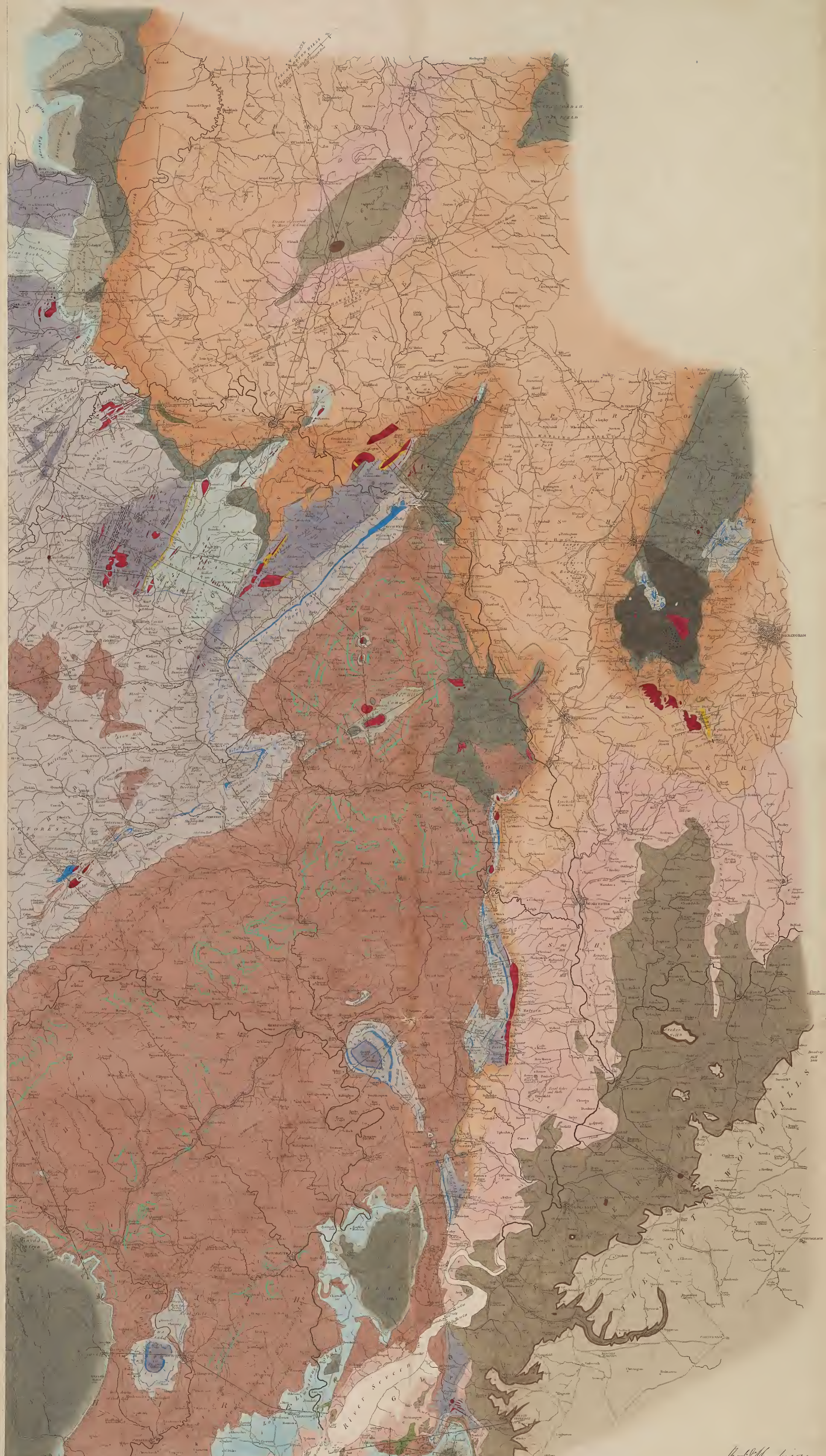
Explanation of Signs

Copper Mines	9
Lead Mines	3
Iron Mines	5
Mineral Springs	11
Dip of Strata	12
Contortions	13
Lines of Section as	14
Anticlinal Lines	15
Faults	16
Strike or Direction of Strata	17



IDEAL SECTION—SUBMARINE RELATIONS OF VOLCANIC





ORDER OF THE SEDIMENTARY DEPOSITS Explanatory of the Colours on the MAP

CAMBRIAN SYSTEM		SILURIAN SYSTEM			OLD RED SYSTEM		CARBONIFEROUS SYSTEM		NEW RED SYSTEM		EOCENE SYSTEM	
Upper part of		Lower Silurian Rocks	Upper Silurian Rocks	Wenlock Limestone	Ludlow Rocks	Thames Cornstone and Marl	Old Red Sandstone	Carboniferous Limestone	Carboniferous Coal Measures	Lower Red Sandstone	Upper Red Sandstone	Lower Eocene

W. Smith





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