

DORSET

Hall & Kennedy, Proc Roy Soc (1967) B168, 377.
Aragonite, apatite, calcite, limonite
pyrite, & quartz in fossils. Locs. given

I. M. West, Proc Yorks. Geol. Soc. (1964) 39, 315-330
"Evaporite Diagenesis in the Lower Purbeck
Beds of Dorset" Mineral locs

ALUM

DORSET

Kimmeridge
Purbeck, Isle of

ARAGONITE

DORSET

Osmanton Mill

Dorset

Apatite

Dorset

Dorset

BARYTE

Dorset

Charmouth
Portland, Isle of ()

Basaluminite

Darrot

Chickensell

BITUMEN

DORSET

Kimmeridge - shale
(Isle of) Purbeck - shale.

CALCIOSTRONTIANITE

DORSET

Durlston Head

CALCITE

Portland

Swanage Bay anthracomite
Putton Lane brickyards

Dorset

Purbeck

Charmouth

Lyme Regis

Portesham

Warkbarron Tor

DORSET

CELESTINE

DORSET

Durlston Head

Lulworth

Warbarrow Toub

CHALCEDONY

DORSET

Lyme Regis

Chesel Bank (carnelian)

Charmouth chalcedony

(Isle of) Portland - jasper

Portsmouth Quarry - silicified
tree-trunk

Clays, misc

Dorset

Isle of Purbeck - Potter's Clay, Pipe Clay
Wareham - Pipe Clay
Poole - Pipe Clay

Dumortierite

Dorset

Bridport

Lulworth Cove

Wimborne Minster.

Fullers Earth

Dorset

Bridport

Glaucophane

Dorset

Bridport (error for dumortierite)

Lulworth Cove (— " —)

Wimborne Minster (— " —)

Goethite.

Dorset

Dorset (limonite)

Burton Bradstock (limonite)

GYPSUM

DORSET

Bridport

Kimmeridge

Purbeck, Isle of

Lulworth

Crook Hill Brickyard, Weymouth

Seaton

Chickerell

Halite

Doreef

Purbeck (casts)

Seaton (casts)

Hydrobasaluminite

Chickerell

Dorset

Limonte
See Goethite

Dorrel

MELANTERITE

DORSET

Branksea Island

PYRITE

DORSET

Lyme Regis

Portland

Lulworth Cove

Dorset

Chickerell

Charmouth

Seaton

Quartz

Dorset

Dorset

Lyme Regis [W.D.]

Portland

Purbeck, Isle of

Sphalerite

Dorset

Portesham

BRANKSEA ISLAND, Poole, Dorset.

TM Hall (1868) p 60. In Lower Bagshot Clay: Melanterite

[? = BROWNSEA ls. 920288?]

BEER Dorset
See also SEATON

WESmith in Geol Assoc Guide 23 (1965), 7-8 Descrip.

9 BEER STONE QUARRIES [Centred on SY 214 895]
Opencast & major underground workings for
Beer Stone - a freestone. Underground workings
N of road penetrate ca $\frac{1}{4}$ ml into hillside!
Adits for same stone also seen in cliff
SW of Beer [near 22.880]

BOWERS Q., Portland, Dorset

See PORTLAND, ISLE OF

1" 177

SY 4692

BRIDPORT, Dorset.

Rayners Cat. (1960) Gypsum var selenite in Kellaways Clay

AW Groves MM (1928) 21 489 The "glaucophane"
from Bridport Sands, West Bay, is
dumortierite

DV Ager in Geol Assoc Guide 23 (1965) p 19. Much of
West Cliff [SY 4590] is of tumbled Fullers
Earth clay [?montmorillonite]

BURTON BRADSTOCK^{1" 177}, Dorset SY 4889

DV Ager in Geol. Assoc. Guide 23 (1965) 20.

Large limonitic concretions mark base
of Middle Inferior Oolite - called "Snuff Boxes", in
Burton Cliff [SY 4889]

Cliff of
Black Ven

between Charmouth

& L. Regis

Baxter's w. Ca. in
septaria. P. p. p.

DS

away!

Yell

Wsl

After ledge

back
ker
(climb)

Py
from
cliff
Ledges

Chartmouth
Can park
See one →

Bfr
2ft above
watchstone
= 1/2 ammonites
W
Yellowish Belemnite beds
Black vein marl
"Watchstone" (List).

Blue Lias only
well exp. just W
of L. Regis. (Cap (W of))
Rep + cartwheels.

me
Started
by clouds

CHARMOUTH, Dorset 1" 177
See also LYME REGIS

SY 36 93

G&L (1858) Common chalcedony.

H Cooke, Priv Comm. (4/73) Cliffs of BLACK VEN

ca $\frac{3}{4}$ ml W of Charmouth, towards Lyme Regis.
Good loc for fossils. Pyrite; septarian
concretions with nice baryte xls
sitting on calcite →

Pyrite v v common also, with pyritised ammonites,
ca $\frac{3}{4}$ ml E of Charmouth, esp. below cliffs
just before 1st rock ledge which projects seaward.

D.V. Ager & W.E. Smith, Geol Assoc Guide 23 (1965) 13-17

Itineraries, along coast. Pyritised ammonites
in Stonebarrow cliffs [ie about 3792]. Between
Golden Gap & Seatown [ie in 4191], Green Ammonite
Beds have ammonites filled with green calcite.

RWB 5/73. Black Ven - Calcite in septaria, are of
3 generations. ① Pale nodular ② yellowish
sugary rhombohedra ③ clear, larger
scalenohedra. None appreciably
fluorescent in UV(LW)
Chalcedony in chert hereabouts.

1st 178
CHESEL BANK,

Canton SY 58 82
Dorset

G & L. (1858)

Carnelian

1" 178

SY

6480

CHICKERELL, Weymouth, Dorset
 of WEYMOUTH etc

CP Chatwin "The Hamps Basin & adj. areas" Geol Surv.
(1948). good expos. of Oxford Clay
 in the brickyard E of Chickerell,
 with pyritised fossils

Clayton, T. (1980) "Hydrobasaluminite & basaluminite
from Chickerell, Dorset" MM 43, 931-7
Basaluminite & hydrobasaluminite, with
gypsum — weathering crusts on carbonate
 concretions in Oxford clay. [white masses]

SY 9681

CORFE CASTLE, Purbeck, Dorset

See PURBECK, Isle of.

1" 178

SY 6580?

CROOK HILL BRICKYARD, Weymouth, Dorset,

See also WEYMOUTH, etc.

RSWB (1953)

Selenite in Oxford Clay

1" 179 SZ 035 772

DURLSTON HEAD, Purbeck nr Swanage, Dorset.
See also SWANAGE BAY; PURBECK.

Salter & West, MM(1965) 146. Calciostrontianite in
basal Purbeck beds. Radiating spherulitic
0.1-1 mm, in veins, in celestine bearing
bands, at SZ 035 772. White fluorescent(LW)
West(1964) Abundant ψ 's after synhydrite -

KIMMERIDGE Dorset.

See also PURBECK!

TM Hall (1868) p 60. In Clay: Alum; gypsum.

G & L (1858) Bituminous shale, in the cliffs.

1" 178

SY

82

79

LULWORTH, DorsetRSWB (4/53)Gypsum, var selenite, in Wealden clay

Rayners Cat (1960)

Synite (Lulworth Cove)

AW grows MM (1928) 21 489 The "glaucophane"
from here is dumortierite
↓
[Lulworth Cove.]

West (1964)

A little celestine with chert and
up's after gypsum in the Soft Cap at STARK HOLE

LYME REGIS, Dorset
see also CHARMOUTH, SEATON

TM Hall (1868) p 60 In Lias & greensand: Chalcedony,
pyrite.

RSWB (1953) Pyrite in lower lias on beach.

DV Agere WK Smith, Geol. Assoc Guide 23 (1965) 8-17
✓ Itinerary of area eg p11. In Landslip cliff zone
between Culverhole Point [SY 2789] and
Pinhay Bay [SY 3190], W of Lyme Regis,
the chert beds of the li. greensand contain
chert nodules, with cavities with bluish
opalescent chalcedony & glistening quartz xls

p12. Calcite "beef" found just W of Lyme Regis.

OSMINGTON MILLS 1" Sy 78 42
(OSMANTON MILL) Weymouth, Dorset.

TM Hall (1868) p 60. Aragonite. "Osmanton Mill"

GeL (1858) Aragonite on the shore at
Osmanton Mill, 5 ml E of Weymouth.

R. King Bull PDMHS (1963) 2 59 The aragonite
is apparently syngenetic

POOLE, Dorset
See also BRANKSEA ISLAND

Geol (1858) Pipe clay, in the hills near
Poole

1" 178

SY 60 85

PORTESHAM, Dorset

of PORTISHAM Q'y.

BVC. Torquay Mus. Letter 9 3/4/86 <sup>Spec'm
Loan
RWB</sup> Borehole
core from Portesham Bore-hole. Sample
had small fossil fish in ? Kimmeridge
shale. in fish some calcite and
sphaerite found

PORTISHAM QUARRY

Dorset

N. 1 OS gazz
? = Portesham SY 6085 - but no obv. quarry on OS 1" map.

West, Nat 190, 525 (1961). Stratig. Mentions "well-known"
Portisham quarry, with the "fossil elephant" - a
silicified tree-trunk (See Woodward, Mem. G.S., 1895)

ISLE OF 1" 178
PORTLAND, Dorset.

51 6 6
6 7

TM Hall (1868) p60. "Portland Island", in Upperoolite:
Calcite; Pyrite.

RSWB (1953). Phosphorescent yellowish arborescent
calcite* in Portland Limestone Quarry.
→ Checked IR (GR) S. 51.

GeL (1858) "Isle of Portland" Calcite, yellow xls;
jasper

RSWB 7/81 Abandoned(?) limestone quarry ~~at~~
centred on 687 705: Large N-S

Cryskelvine Cat 8/04 Baryte

fissures, lined with stalactites of
calcite, also knobkly white powdery
calcite (IR). Calcite rhombs ~~1/2~~ 1 cm in
cavities in limestone, uncommon.
In upper part, broken beds with v.g.
fossil wood, some containing small
quartz xls

RSN('02), 40, 27 BOWERS Q., Portland, at
SY 683 722. Fossil wood w. calcite, small xls.
No baryte found; rain prevented trip to
lighthouse area to look for baryte
RSN('04) 44 22 good calcite xls - BOWERS Q

PURBECK ISLE OF, Dorset.

See also SWANAGE BAY, DURLSTON HEAD

TM Hall (1868) p60. In Wealden: Alum; Gypsum.GeL (1858) Bituminous shale; Potter's clay;
a large stratum of pipe clay lies
over the chalk, from Handfast Point
(or The Foxeland, SZ 0582) to beyond
Corfe Castle (SY 9681).HL Bowman MM (1914) 17 135 Calcite xls in
chalk from Corfe CastleCP Chatwin, "The Hampshire Basin..." G.S (1948) Beds of
selenite & casts of halite xls in the Purbeck Beds

1. West (1964) Euhedral doubly terminated
quartz xls in the gypsum of the
Purbeck Beds.

1" 178 54 65 80
PUTTON LANE BRICKYARD, Weymouth, Dorset.

See also. Weymouth, etc

RSWB (1953) curved calcite rhombs (fluorescent)
Fine ~~dolomite~~ crystals inside septarian
concretion from Oxford Clay. Also

~~gypsum crystals~~

(GR, 1/R. The "dolomite" xls are curved
calcites!)

1" 179

SU

1405

RINGWOOD, Dorset

See WIMBORNE MINSTER

SEATON, Dorset

See also LYME REGIS, BEER.

DV Ager & WE Smith. Geol. Assoc. Guide 23 (1965) 9.

Gypsum fairly common, in Keuper Marl
 of Haven cliff [SY 26 89], ^{"salt"} ~~pseudomorphs~~ Abundant
pyrite in black shales (Westbury Beds) (Rhaetic)
 in small cliff just E of the re-entrant ca 2ml
 E of Seaton [ie SY 27 89]

52 over 03 79
03 80

SWANAGE BAY, Is. of Purbeck, Dorset.

See also PURBECK; DURLSTON HEAD.

G&L (1858).

Calcite, var. anthraconite.

WAREHAM, Dorset.

GEL (1858) Pipe clay, at HUNGER HILL,
near Wareham

WEYMOUTH, Dorset.

See CHICKERELL; CROOK HILL BRICKY'D; PUTTON LANE BYD
OSMINGTON MILLS.

1" 179

SZ 0199

WIMBORNE MINSTER, Dorset

AW groves, MM (1928) 21 489
from between Wimborne &
in dumortierite

The "glaucophane"
Ringwood [su 1405]

WORGARROW TROUT,

SY 8679
Porset

I.M. West (1964). Celestine in the Caps, partly
replacing calcite & after gypsum lenses