

SURREY

See also LONDON

GEL (1858). Epsomite "in an efflorescent state".
Gypsum in the London Clay.

A. Hall & W. J. Kennedy, Proc Roy Soc (1967) B168, 377.
Aragonite, calcite & pyrite in fossils. Locs
cited.

ANHYDRITE

SURREY

~~Nutfield~~ Error

Aragonite

Surrey

Surrey

BARYTE

SURREY

Nutfield

CALCITE

SURREY

Nutfield

Surrey

Clinophylolite

Surrey

Hog's Back

Brockham

Mersham

Godstone

EPSOMITE

SURREY

Epsom

Surrey

Gypsum

Surrey.

Surrey
Godstone

HAEMATITE

SURREY

Dunsfold
Cranley
Haslemere

Malloypite

Surrey

Worms Heath

Heulandite
See Clinoptilolite

Surrey

Kaolinite

Surrey

Westcott, Donking

"Limonite"

Surrey

Godstone

Melanterite

Surrey

Godstone

Montmoullonite (~~See also~~
"Fullers Earth")

Serrey

Nutfield

Bletchingley

PYRITE

SURREY

Dorking

Nutfield

Surrey

Chertsey

Godstone

QUARTZ

SURREY

Nutfield

SIDERITE

SURREY

Nutfield

Sideratil

Surrey

Chertsey

BLETCHINGLEY, Red hill, Surrey.
See also NUTFIELD

TMH (1868), 69. Lr. g.'sand. Fuller's - earth.

GER (1858). Fullers Earth

"Fullers Earth" = montmorillonite [See NUTFIELD]

1" 170

TQ 19 49

BROCKHAM

Surrey

Brown et al MM (1969) 480 Clinoptilolite-
heulandite in Upper Greensand, at

TQ 201 509

CHERTSEY, Surrey

H.G. Midgley, Amer Min (1967) 47, 404. A sample
of Thames river gravel, left out to
weather, was found to have a high
proportion of pyrite pebbles, covered
with a white x-line crust of siderotil

1" 170

TQ 06 38

CRANLEY^{IGH}, Guildford, Surrey.

TMH (1868), 68. Haematite in Wealden,
"Cranley, Guildford, Surrey"

[? = Cranleigh, TQ 06 38 (Guildford = TQ 00 49)]

CROYDON, Surrey
See under LONDON.

1" 170

TQ 16 49

DORKING, Surrey

TMH (1868), 68: Pyrite, in greensand.

Rec. Lond. Spel. Grp. 1 (1956) list DORKING CAVES
at TQ 17 49

BM(NH): Pink massive kaolinite from WESTCOTT
[TQ 1448] [qv]

1" 170

~~summary~~
TQ 00 36

DUNSFOLD, Godalming, Surrey.

TMH, (1868), 68: Haematite in Lr. Greens'd.

1" 170

TQ 1-2

6

EPSOM, Surrey.

The Wells 1960

TMH (1868), 68. In chalk & Lon. Cl. Epsomite

GeL (1858) Epsomite "in an efflorescent state"

J. Millar, appendix to John Williams "The nat. hist. of
the mineral kingdom" 2nd Ed Vol 2 p117, Edinburgh
(1810). Epsomite abundant in the
mineral waters

GODSTONE, Surrey

WE Smith. Proc Geol Ass. (1957) 68 45. In the
TILBURSTOW HILL area [TQ 34 50], pyrite
nodules, altering to limonite, selenite
[gypsum] & melanterite.

Johnson et al MM (1969) 480 clinophloite-
heulandite in upper greensand at
TQ 360 534 at MARDEN CASTLE.

LE
HAS~~EL~~ MERE, Surrey.

su ~~1869~~
90 32

TMH (1868), ~~1869~~ Lr. gr's'd. & Weald Clay. Haematite.
at "Haselmere"

1" 169

SU 9, 48

HOGS BACK

Surrey

gbrown et al MM (1969) 480 Clinoptilolite-
heulandite in malmstone, at SU 911 481

1" 170

TQ 29 53

MERSTHAM

Surrey

JBrown et al MM(1969)480. Clinophylolite-
heulandite in Upper Greensand, at
TQ 309 536

1" (170) 2950-3051 (TR)

NUTFIELD, Reigate, Surrey (I)
See also BLETCHINGLEY

TMM(1868), 69. Lr. g-sand. Baryte; Fuller's earth.

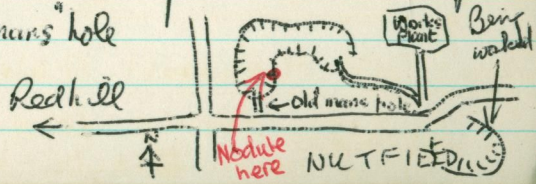
GM spec. Excellent pale yellow baryte xls.

BM spec. Excellent pale yellow baryte, with quartz & calcite

RSWB & GR 4/54 Grey fibrous baryte (IR) veins in ~~pit~~
quarry at 305 508. Some calcite, Fuller's earth

RSWB, 28/8/61 COCKLEY WORKS, at 296505. Giant pale
brown-yellow baryte xls, up to 6-8" x 2" x 2",
often ~~repeatedly~~ repeatedly twinned with complex
terminations. Attached to these are smaller
colourless, more perfect, transparent, well ^{checked} terminated xls. All partly sprinkled ^{checked} ↓
with pyrite and shrouds of pale yellow chalybite

Acc'g to workman sometimes get "green stuff" with the "gold stuff". Workmen believe baryte is solidified water (heavy water?!!!). Borehole "geologist" says calcite quite common. Fullers earth either blue or brown. Baryte occurs always at top of blue, not brown, F.E. earth. Towards the E (towards Bletchingley) are underground workings for brown F.E. earth. Shown round (incl. Org. Labs) by engineer, Mr Baker. F.E. Union part of Laporte (who also own baryte mines at Bridford, Teign Valley Devon, and Silverband Mine, Dufton, Appleby, Westm.). The Nutfield stuff is in rounded nodules, diff to see, as covered by the blue F.E. The nodule we found "best the geologist had seen". Saw "old mans" hole broken into.



NUTFIELD, Surrey (II)

GeL (1858). Baryte in honey-yellow elongated
x/s in Fullers earth pub.

Fullers earth: "Cormongers" & "cockney" pits.

A. Brammall, JGC Leech, & WJ Dunstall, geol Mag (1940) 77,
102. "Montmorillonite in Fullers Earth
from Nutfield (Surrey)". Largest English
deposit of Fullers Earth (= almost pure
montmorillonite) still being worked.

Spec's coll M. Russell of Westcott, Donking, seen by RSWB 7/73
Quartz, transp. terminated x/s → 2 cm on
honey-brown baryte x/s.

Highley, D.E. Min. Dossier Min. Res. Cons. (Hee. (1972) 3.

[MA 73-3442] The Fullers Earth from the
L'r greens. @ Redhill is essentially montmorillonite
[Ca-montm., easily base-exch. $\rightarrow$ Na-montm ("bentonite")]

PURLEY DOWNS, Surrey

See under LONDON

REIGATE, Surrey

TQ 26 51

Records Lond. Spel. grp (1956) L.

Listed caves:

BARONS CAVE, Reigate, (coml), at TQ 260515

REIGATE HEARTHSTONE QUARRIES, TQ 26 51

RICHMOND, Surrey

See under LONDON

SHIRLEY, Croydon, Surrey

See CROYDON (London)

TILBURSTOW HILL, Godstone, Surrey.

See GODSTONE

1" 170

TQ 14 48

WESTCOTT, Dorking, Surrey.

See DORKING.

BM(NH): Kaolinite, pink massive

WORMS HEATH, Warlingham, Surrey

W. Whitaker & G. M. Davies, Q. J. Geol. Soc. (1920) 75, 7.

Halloysite (analysed) among sand and pebbles filling vertical pipes in the chalk.