

## **Locations for Porcellanous Band**

(Altitudes are approximate and subject in many cases to vagaries of GPS readings for altitude)

**Alum Pot** – seen by A Cole et al near the bottom of the rope of the direct descent September 1, 2012.

**Birks Fell Cave** PB forms small step down in passage just before Elbow Bend Alt 259m Reported by EEW June 2012.

**Blind Beck** SEW photo Feb 1980 PB seen at Blind Beck Rising. **Note.** A visit on September 8 2013 proved this to be incorrect – probably a mislabelled colour slide. Blind Beck is too low down – at approx 260m it is some 40m lower than the expected level of the PB in this area. However, according to Marion Dunn, the PB could be seen in the stream section in Selside village. This seems to be the case, see picture in PB pages of this website: NGR 78342 75666, Alt uncertain.

**Conistone Dib** – PB just above Gurling Trough (anon)

**Cowside Beck** PB recorded by Arthurton in 1983 at Yew Cogar Scar 92247087 (Geol Country around Settle p32).

**Crummockdale** 781707 (Studrigg Scar) and 767710 (opposite side of valley). 6-10-13 SEW and MIW. No positive sign of PB above Crummack but a good location might be the spring at 77112 71479 Alt 305. Also 784720 Checkley.

**Darnbrook** An anonymous report of the Porcellanous Band being seen in the beck bottom below Darnbrook Farm seems to be a misconception. What is seen appears to be the well worn and highly polished surface of a palaeo-karstic surface of a fine grained medium grey limestone. A block of PB can be seen being used as a gate stop in the farmyard at an altitude of some 319m. Accordingly, the GB being located at approx 448m, the PB should be some 29 or so m higher than the farm.

**Dowber Gill** on footpath by fence post NGR 97740 72680 Alt c257. This appears to be a double bed (not unlike the Hubberholme exposures): two beds with a very thin parting of an indeterminate nature.

**Easegill** Reported by Dick Glover at lip of fall Easegill Kirk. Visits by SEW and DLM on April 30, 2015, and by SEW and RG on 7-5-15 found the PB as described by Glover. Porcellanous bed approx. 0.3m thick, forming ledges at each side of stream channel at head of fall of Easegill Kirk (lower), NGR 66133 80010 Alt. 236 - 244. At least one higher bed is prominent upstream from head of fall as a small barrier across stream bed. It is also prominent at an even higher level too but all is somewhat obscured by faulting and folding due to proximity to the Dent Fault. The total extent of these porcellanous beds is yet to be determined. From this point however, the PB seems to be forming the bed of Easegill for some considerable but as yet indeterminate distance upstream although it is very much obscured by great quantities of superficial deposits, rock-fall and stream debris. From altitudes of Lost Johns Cave at 360m where GB seen at the entrance and Shuttleworth Pot at 279m, and the assumption that GB and PB separated by some 100m, then the PB should be at 260m in Lost Johns and a little lower in Shuttleworth, allowing for an estimated regional dip of 1-2 degrees. This leaves a discrepancy for the altitude of the PB between Shuttleworth and Easegill Kirk that can be accounted for by the observation that Shuttleworth appears to be very close to a subsidiary branch of the Dent fault. The displacement is estimated to be in the order of some 15 – 25m. Further detailed studies are needed to clarify this issue.

**Easegill – Pegleg Pot** – October 10, 2015 - Simon Parker and Patrick Warren jointly recognized PB along Far Stream Passage at approx. 225m Alt. Pegleg Pot 6632 8025 Alt. 259m.

**Foss Gill Cave** PB about 1m thick. Seen and photos by SEW at Foss Gill Cave entrance 21-4-12 underlain by softer black fine-grained LS NGR 948744 Alt 260. Down valley from Foss Gill springs come out on PB at Lords Wood Rising and nearby. See photo on website, Picture Gallery 3.

**Gaping Gill** PB discussed by Glover in CPC Journal 5/2 1974 and elsewhere – see References. AM photo PB in Main Chamber c 1950. PB at entrance to South Passage photographed with SEW by Geoff Dudman on Bar Pot meet 18-11-12. PB reported as “at the bottom of the walls was an 18 inch band of pure creamy white porcellanous limestone” on first discovery of Parkinson Aven by Whittaker T et al, ULSA Review 2.

**Hagg Beck, Raisgill Farm.** PB is prominent both sides of stream behind Raisgill Farm NGR9052 7859 Alt 274 (900). Seen by SEW when digging with CS and PR 11-7-12 and 4-8-12.

**Hubberholme** April 7, 2013, PB found at 92368 78400 Alt. c243m as river bed c0.3km up river from Hubberholme bridge. PB appears to extend right across river and downstream under cover of landslip from the moraine heap. Too much water (snow melt) to investigate further. Needs dry conditions to walk right up river bed. Examined again on 19-6-13 when two distinct beds seen (seen photo and notes on website). PB seen some 100m downstream then river bed totally obscured by river sediments. A further visit to Haw Ings Rising and along river bed on 8-6-13: Haw Ings rising is in medium-grained grey limestone as are small scar features immediately above field level alongside road. River bed examined again but no exposures of bedrock can be seen downstream of that previously mentioned, some 100m downstream from first exposure. It seem likely still that PB underlies Haw Ings. Further visit 13-7-13 upper leaf of PB seen to form river bed over a distance of some 60-70m minimum and possibly much more. Overlain by approx 1m grey medium-coarse grain LS and then black fine grained LS less than 1m thick.

**Hull Pot Lane** 818731 – needs checking, try dry valley

**Hunts Cross.** First visit with MIW May 19, 2013. Noted by presence of shattered fragments of PB contrasts to bulkier normal limestone blocks. Mentioned by Dick Glover in BCRA Bulletin 12, 1976. Outcrop located to north side of dry valley north of Hunts Cross, occupied by public footpath, at 68981 76027 318m, two bands as at KMC occurrence and apparently of similar thickness.

**Kettlewell** Light Beds field near Kettlewell NGR 97567213 Alt c244m – not visible September 9 1012 (SEW and MIW) but may be concealed under diggings around a water supply and storage tank. On a visit (December 3, 2013) to a small scar some 200m to the south of the above it seemed highly likely that the PB is a little higher up the hill side and well concealed under a heavy covering of vegetation and scree.

**Kettlewell** PB seen in loose slabs near old homestead at Knipe Scar and in wall foundations

**Kettlewell** Ley Scar Lane, 20-9-12 photos, chunk of PB found in wall, PB probably a little higher up perhaps at the base of the scar. Poss behind Scargill House

**King Pot** - PB 30-40cm thick seen 4m above base of Elizabeth shaft – email JNC 7-5-12 also recorded by Dave Brook (email JNC 1-5-12) in NCC Journal March 1980 pp 20-21, King Pot – Structural Controls – 15 ft up Elizabeth the PB is well exposed but the continuing fossil passages are all below it ...

**Leck Fell Shooting Hut-** PB in Dry valley below: ‘Dick’s supposed PB’ according to D J Lowe – email 17-5-12. Andy Hall email 7-12-14 locates this at SD 6638 7815 Alt:289m. **NO** PB seen in dry valley above road on 22-4-15. Possible sighting, from road, in dry valley well down from road crossing – almost last rock outcrop in the lower dry valley – to be checked out. Checked again on 30-1-15 down to wall at 66141 78058 Alt. 257 by SEW and DLM: PB not seen.

**Leck Beck Head** and near Leck Beck Head reported by Dick Glover on field excursion NGR Alt. SEW and DLM visited on 30-1-15 : PB not seen but may be passing through dry valley above the rising and obscured by vegetation and soil movements.

**Lords Wood Rising.** (see images on website of adjacent springs on website). Visited on 6-7-13, plenty of fragments of dark PB around but the actual exposure is well concealed under unstable stonework and, along the hillsides, under scree and vegetation. The true PB may be a little higher up but needs further examination, altitude (800ft, 244m) is about right.

**Midge Hole, Chapel-le-Dale.** (NGR 7370 7700 Alt. 240) PB reported by J N Cordingley early 1012. Visited by SEW and MIW April 22, 2012 and pictured. Good thickness, c 0.6m at least, of true porcellanous underlain by dark to black sometime shaly limestone of unknown thickness – similar to Foss Gill and Birks Wood outcrops.

**Nick Pot.** Positive identification of PB, approx 0.8m thick and approx 2m above sump level, P B Warren and B Lawson May 4, 2014 with photos. Alt. 284m approx.

**O'Connor 1964.** "The geology of the area around Malham Tarn", Yorkshire Field Studies 2, (1) 53-82. Disused quarry Settle-Arncliffe Road 859673.

This location visited on Sunday November 11, 2012 with MIW.

Floor of old quarry appears to be white-weathered flat top of PB dipping at 2-3 degrees north-east (see picture). Small specimens from here actually appear to be a fine to very fine-grained crystalline limestone. This does not look like the porcellanous limestone seen at other locations eg Midge Hole, Foss Gill, Birks Wood etc. May be a palaeokarst surface, (pers comm Marion Dunn).

### **Pasture Gill search 5-8-12**

This gill is a clean cut section right through the geology from the river bank up to the millstone grit. PB eventually found at Yockenthwaite Rising where water comes out under PB –**WRONG**: checked out on March 3 2013 and **definitely not** PB here, what is seen is a white weathering fine grained limestone. Back at Raisgill beds are seen to be dipping at 4-5 degrees towards river. (GB seen at Alt. c350m). On March 3 1013 one block of PB found in wall down stream from Yockenthwaite Rising and nearby a small piece found on riverbank – these could have come across from the Raisgill outcrop.

**Rift Pot** At bottom of Rift Pot Allotment - crawl on through and inside PB, many glossy shiny quartz particles visible, needs pictures NGR Alt. Observed by the Edward Whitaker, Patrick Warren and the author on CPC meet 1994.

**Scoska Cave** SEW colour slide of PB in Scoska Cave 1980 NGR Alt 285 and Photos with D5100 10-6-12 See mudinmyhair website.

**Sell Gill Hole** PB assumed to underlie sump of Sell Gill Hole

**Selside** PB seen in beck bottom next to road in centre of village 78468 75651 Alt approx 281m Also in Gill Garth Beck about 100m above road at small cascade 78494 75358 Alt. 280m approx, also large block of PB seen at side of beck near lower cascade. Photos 26-12-13 1-4.

PB seen near Otterstone Cave entrance in scar along river bank at 78392 77361 Alt 260. - 0.6km down valley from Ingham Lodge Photos Otterstone 2-2-18

**Step Gill.** Very treacherous ascent to supposed location of PB. Maybe the very dark or black PB just below cascade above small cave. This could be the black shaly limestone seen **below** PB at Foss Gill Cave. True PB could be cascade. Needs another look. Photos 31-7-12

**Twistleton** 691761 (needs checking out)

**Trow Gill** in gorge leading to Clapham Bottoms NGR Alt ?. No positive sighting. 27-9-13 SEW. No sign of PB in Foxholes dry valley, in lower Trow Gill by spring, nor in lower part of Clapham Bottoms, up to 300m from Trow Gill, nor in Trow Gill as far as top of the gorge. Correction: visit by SEW and RG on 12-8-15, PB seen near spring at 75761 71487 Alt. 288m. See

**Water Gill Wood** Buckden about 30m above path level underlain by black fine-grained LS Seen and underlain by black limestone in Water Gill below where tractor road crosses beck several metres below rising of Water Gill Cave (not on PB) NGR 9356 7726 Alt. Visit again on 5-3-13 on a fine day – PB located again and photos.(photos **5-3-13**). Black shaly beds some metres below PB. See photos. This location needs a stream profile. Then on 5-3-13 on to PB in wood where it forms bed of carriage drive. (Photos SEW **8-4-12** and **5-3-13 photo 21 and photo 26**) PB almost seems to be in a continuum of fine grained grey LS above and below. This location needs a

stream bed profile too. On 17-2-14 GPS locations show PB at 93597 77122 Alt. 244, and at 93571 77143 Alt. 244

PB cobble found in wood above main drive near bent yew tree **12-3-13 photo 35.**

Many PB blocks may be seen built into the walls at Middle Barn, Ivy Barn, Low Buckden and Redmire Farmhouse.

**Valley entrance.** Second visit with MIW May 19, 2013. Small spring c50m on 233 degrees from KMC entrance (69909 77407 272m) in dry gully. Two porcellanous bands seen, one approx 0.8m thick at level of spring and second of similar thickness 3m lower down (69964 77376 283m and 69966 77369 280m) . See photographs. Thickness difficult to determine exactly without extensive hammering and possible or probably merging into very fine grained and then fine grained grey limestone lower down the outcrop. Above and below normal grey limestone. (Note: since last visit a very considerable amount of hammering has taken place at this locality).