



Down to Earth

"Earth science learning for all"

The Yorkshire Coast, Filey September 14-18



Filey Brigg, Upper Jurassic

A word from your leaders...

The last time we visited the Yorkshire Coast we concentrated on the northern part from our base in Whitby. This time we're looking at the southern part, extending from Scarborough, to Flamborough Head and down into East Yorkshire, ending at Spurn Point. Along this stretch of coast we'll encounter rocks from the Jurassic and Cretaceous as well as Quaternary glacial tills south of Bridlington. We'll also spend a day inland looking at the Yorkshire Wolds and their unique landscape. This would be an ideal area to study if you are new to reading the rocks, as well as for those with more knowledge.

Deciding where we wanted to study was one thing, finding somewhere to stay was something else! We couldn't find anywhere suitable in Filey and the only hotel in Bridlington was fully booked for a function! Eventually, we've settled on the pretty village of Hunmanby about 4 miles inland. The part is split between two guest houses about 400 m apart. Both offer good en-suite accommodation and our evening meals will be taken in the village pub.

Chris knows the area well, having studied for his degree at the University of Hull. As for Colin, this will be his first visit to many of the locations, but he's looking forward to explaining the formation of Spurn Point!

Chris Darmon & Colin Schofield
Course Organisers/Leaders

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Getting to the Filey area

The village of Hunmanby is some 5 miles or so from Filey and less than 10 miles south of Scarborough. Hunmanby is a stop on the Hull to Scarborough railway line, so you can leave the car at home for this trip! By road, Hunmanby is quite easy to get to being only a few miles off the coast road and also easily accessed from the A1 in the west, via York and Malton.

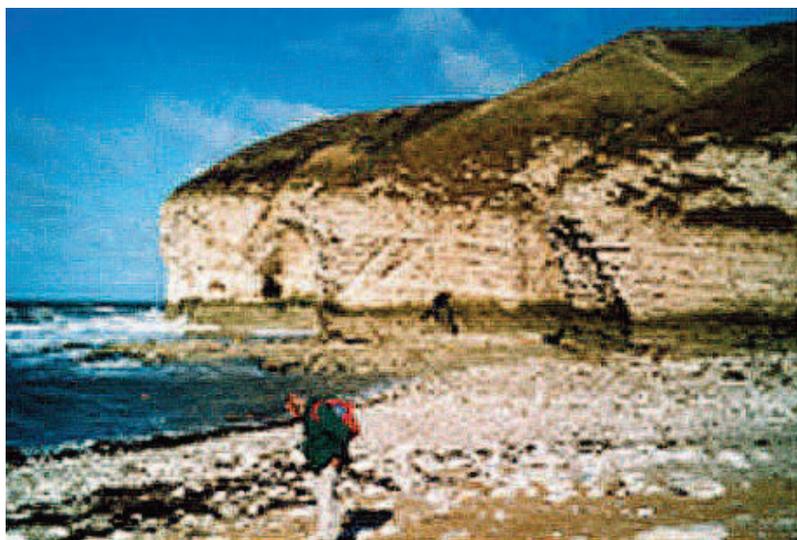
Getting around on the trip

As usual, we'll have the use of a 17-seater minibus, driven by 'our Colin'. There may also be a need for a couple of extra cars, so we may be looking for a couple of volunteer drivers! this will only happen if the total number of participants exceeds 15. As we are likely to hire the bus in the area, we won't be able to offer lifts on this occasion.

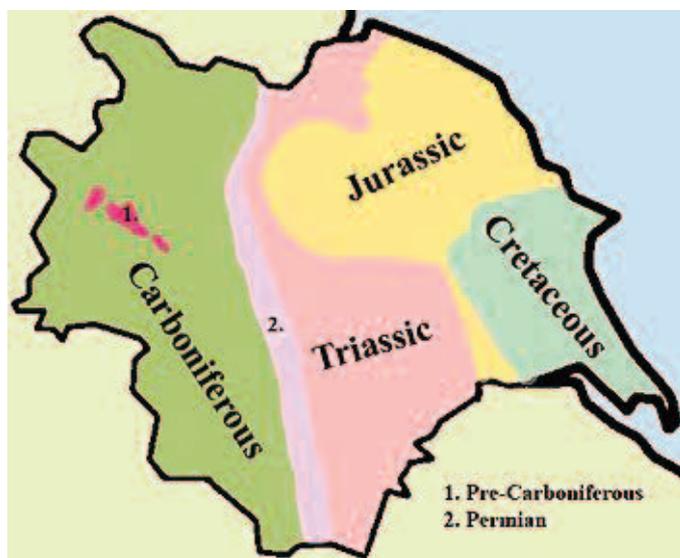
Walking

This is not an area of particularly difficult terrain, although there will be a couple of steep ascents and descents of cliffs. We'll get you as close as possible to the relevant sites and will, in almost every case, involve minimal walking distances. Everything therefore should be within the capabilities of all of the party. Most walks will be short, along the shoreline.

However, if at any time you wish to 'opt out' that will be fully acceptable and understood. In view of the uncertainties of the weather you are strongly advised to bring all waterproofs and walking boots – particularly as you will be walking over rough ground.



The geology of the Yorkshire Coast & Wolds



Geologically, the area is at the same time relatively simple, but also extremely interesting. The oldest rocks come from the Jurassic and there's a good sequence of rocks from the Middle and Upper Jurassic in the area. Some of the sedimentary environments are particularly interesting with evidence for very shallow water in the form of numerous horizons where burrowing took place. There's also evidence for reefs in places. We may also see a small coal seam! The highest Jurassic beds are the fossiliferous Kimmeridge Clays.

The Cretaceous sequence comprises the Speeton Clay with its interesting fauna and mineral content. This is overlain by the Red Chalk and finally the main Chalk sequence with its many flint and marl bands. Faulting and disturbance of the Chalk can be seen on the coast around Flamborough and also inland.

Turning to the landscape and the Quaternary, a buried cliff can be seen at Sewerby just north of Bridlington. In the Wolds there are many deep cut dry valleys. On the coast, there's lots of glacial till deposits. Coastal erosion is rapid hereabouts and we'll be able to see it at Spurn Point in particular, tides permitting.

Accommodation & Food

We usually prefer to be based in a small family run hotel, but this has not proved possible in this instance. Instead, we have opted for two bed and breakfast establishments in the same village, about 400 m apart. Between them, they can accommodate our group in en-suite rooms. Our evening meals will be taken together in the nearby village pub. This should work out just fine, particularly as Hunmanby is such a nice little village. We'll source packed lunches for each field day locally.

Itinerary

The following is not intended to be prescriptive, but to give you an idea of what we hope to cover during this trip, weather and tides permitting:-

- The Upper Jurassic sediments of Cayton Bay & Filey Brigg
- The Lower Cretaceous Speeton Clays and the Red Chalk.
- The landscape and scenery of the Yorkshire Wolds
- The Chalk of Flamborough Head
- Quaternary tills of Holderness and Spurn Point

In order to get the most out of your short trip, we'll finish around 12 noon on the final day.

Cost

For 2 people sharing a double or twin room, the cost of the 4-night trip will be £495.00 per person; for single occupancy, the cost will be £595.00 per person and is limited to a maximum of 3.

If you are willing to share, but don't have a companion, just indicate on the form and we will try to help you.



What's included in the cost?

- The services of Chris Darmon & Colin Schofield as tutors, who will be available to you at all reasonable times
- Accommodation and meals as specified here
- The cost of all transport used during the trip
- Admission to any museums, exhibitions etc. as visited by the group

What's excluded from the cost?

- The cost of travel between your home and Hunmanby
- Travel insurance
- Incidental expenditure

Insurance

Everyone booking a place and paying a deposit is strongly advised to take out holiday insurance. This can cover you against loss of money in the event of cancellation etc. Cover is often included in with your credit card or bank account.



Booking

Please fill in and return a completed booking form.. Your booking will be confirmed upon receipt of either a deposit of £200.00 per person or the full payment. The balance of the brochure price will be due by June 30th 2018.

This trip will run provided a minimum of 12 people have booked by January 31st. 2018.

Your money...

Upon receipt, all monies paid for these trips are placed in a specific 'client trust account' where it cannot be drawn by us until after completion of the tour. This is in accordance with EU Directives and ensures that your money is safe in the unlikely event of corporate failure by Geo Supplies.

What happens next?

As soon as we are in a position of confirming that the trip will run - pretty soon judging by the number of people who have shown an interest already - we will let you know. You will then be free to start making your own travel plans and to take advantage of any advance fares on train.

Please don't make any such arrangements until we have been in touch with you.

Please also see information contained in our 'Residential Field Trips 2018'



The Yorkshire Wolds

**If you have any questions or queries - contact Chris Darmon as follows:-
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