



Guide:

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## Engineering Geology of Lyme Regis

16–18 June 2017

**NOTE CHANGE OF VENUE: staying at the Heights Hotel, Isle of Portland, DT5 2EN**

Lyme Regis is in a small bay between Church Cliffs on the east and Chippel Bay (to Seven Rock Point) cliffs on the west. The town and the river valley is in a syncline of Liassic clays (Shales-with-Beef and Black Ven Marls) with cliffs of the harder Blue Lias limestones and shales on either side. The Blue Lias tends to produce vertical cliffs while the Liassic clays above form sloping, slumped cliffs. The bay at Lyme Regis corresponds to the area where the soft Liassic clays come down almost to sea-level, with the Parade on the uppermost Blue Lias beds, unlike the cliffs both east and west where the top of the Blue Lias limestone-shale sequence is higher. This circumstance provides easy access to the shore but results in landslips similar to those at Black Ven, requiring extensive stabilization works.

**16 June – Portland.** Meet at the hotel reception for a field trip briefing at 8.30 pm.

**17 June – Lyme Regis to Charmouth.** Examination of Lyme Regis town foreshore engineering works including rock armoured structures and the Cobb, the Eastern seawall including the water works and the new sea wall at Church Cliff. Tides are neap, after high tide at 12.30 we will walk along the shore to Charmouth on the falling tide, where the coach will pick us up at 5 p.m. Dinner is at the Portland Heights Hotel.

**18 June – Lyme Regis.** Upper parts of the Black Ven slide, Monmouth beach and rock slides, and town stabilisation works, with a planned pick up from Lyme Regis at 4 p.m.

The **trip fee of £65** per person, payable to **EGGS**, covers the cost of coach travel on Saturday and Sunday, and dinner on Saturday night only. All drinks and other meals, travel to/from Portland, and accommodation expenses, are not included in this fee. The fee is payable to the Engineering Group of the Geological Society. Contact the Field Trip Co-ordinator for online payment details.

**Accommodation** will be at the **Heights Hotel, Portland**. All rooms are **£90 per night single occupancy** and **£55 per room per person per night double or twin occupancy** including breakfast. Please indicate your preference and **add the appropriate amount** to your EGGS fee payment. Please also indicate vegetarian or any other special dietary requirement.

**Travel to the Heights Hotel** on Friday: the 16:35 train from Waterloo arrives Weymouth at 19:19, with connections at Winchester from the 15:04 from Birmingham, and a direct train at 16:24 from Bristol arriving Weymouth at 19:12. The hotel is 6 miles from Weymouth station; bus route 1 goes direct to the hotel from stop K4 (about 5 minutes' walk from the station) at 7.30, and every 20 minutes, and takes 22 minutes.

On Sunday the coach will drop off at Upwey station (one stop from Weymouth) in time for 15:52 to London Waterloo (arr. 19:14), and the 16.15 to Bristol (arr. 18:30) and Birmingham (arr. 20:27).

**Other costs:** accommodation, travel to/from Portland, plus lunch and drinks. Dinner is NOT provided on Friday evening.

Introduction adapted from <http://www.southampton.ac.uk/~imw/Lyme-Regis-Seafront.htm>

**For further information and registration, please contact:**

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