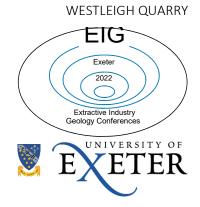
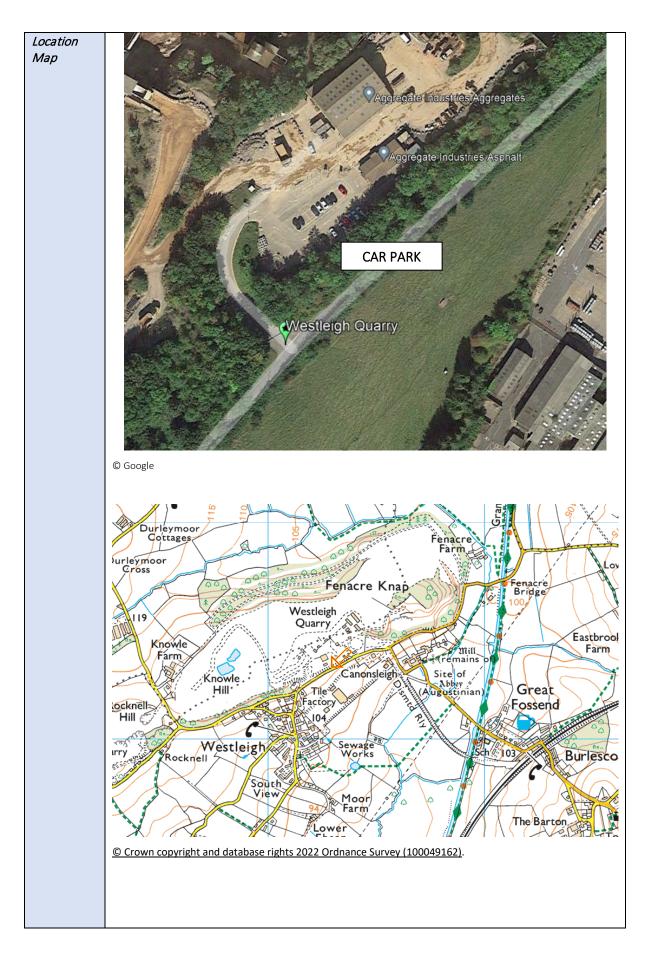
eig field trip guide WEDNESDAY 7TH JULY 2022 WESTLEIGH QUARRY (AGGREGATE INDUSTRIES)



TIVERTON

EX16 7JB

Location	Westleigh Quarry, Tiverton, EX16 7JB	
Field Trip Leader	Grace Wadsworth, Senior Engineering Geologist – Aggregate Industries (07385 460075)	
<i>Contact & Meeting Point</i>	Office Car Park	
Website	www.aggregate.com/	
<i>Time of Arrival Length of Visit</i>	1:30 for 2pm start 2 hours	
<i>PPE Required</i>	Steel toe-cap boots Hard hat High visibility top (vest or jacket) AND Trousers Safety glasses Gloves	
Driving time Exeter University	1hr	



Outline of Trip	Visit to large limestone quarry excavation. Discussion and ex future development, overburden stripping, and industrial an	
Geology	The Westleigh Quarry complex covers an area of 14 separate quarries: Westleigh, Rocknell and Fenacre. The million tonnes of limestone products a year.	
	The first recorded use of the local limestone in construction Abbey was founded on this site by Augustinian Nuns. The incorporated into farm buildings.	-
	With the intensification of agriculture in the 18th century t fields soared. Quarried limestone was 'slaked' in local lime ki along the Grand Western Canal after it was constructed in railway was built and a short connecting stretch was added t	Ins and transported away from site n 1814. In 1841 the Bristol-Exeter
	From the beginning of the 19th century the quarry became a limestone for construction. Lime is no longer produced at the lime kilns which have been preserved for their historical important the second secon	e quarry but there are two surviving
	Westleigh Quarry is currently extracting Lower Carboniferou to the Westleigh Limestone Group. Mineral is currently extra overburden is about to be stripped from Fenacre to allow th area.	acted from Westleigh and Rocknell
	Structurally, most of the material has been extracted withi zone of an anticline with limited lateral displacement on transverse the site. This has resulted in most of the quarry geotechnically favourable conditions with strata dipping in eastern faces. The limestone in the Rocknell Excavation is kn the area previously consisting of one of the largest cave network	multiple perpendicular faults that v sidewalls being excavated within nto the north-western and south- nown to be extremely Karstic, with
	(NV) A1 Redvood's Land CCCa Land Vices vices	ISE ECCQ Land A2 FECQ Land A
	B1 Redvood's Land ECCQ Land VLIDAS VLATAS VLIDAS VLIDAS VLATAS VLIDAS VLIDAS	ECCQ Land VIEDARS VIEDARS
	Key Permian Lower Maris Westleigh Limestone	FIGURE 6
	Transition Beds (Mudstone & Linestone) Lines of possible quarry development a - Within current planning persission b - Within current ECCQ overeship c - With Redvood's Land.	OF ROCKNELL HILL
	c - With Redwood's land.	(See Figure 2 for positions of the sections)