

Appendix 2 GCR, SSSI, County Geology Sites and RIGS within the area

Geological Conservation Review (GCR) Sites

Code	Name	Block	Grid Ref
3016	Blackhalls Rocks	Marine Permian	[NZ468 395]
2086	Claxheugh Rock, Claxheugh (Ford) Cutting and Ford Quarry	Marine Permian	[NZ 362 574]
2985	Crime Rigg Quarry	Permian–Triassic	[NZ 344 416]
3017	Dawson's Plantation Quarry, Penshaw	Marine Permian	[NZ 336 546]
1966	Fulwell Hills Quarries	Marine Permian	[NZ 382 598]
1963	Gilleylaw Plantation Quarry	Marine Permian	[NZ 375 537]
1975	Hawthorn Quarry	Marine Permian	[NZ 435 463]
2832	High Moorsley Quarry	Marine Permian	[NZ 334 455]
1784	Humbledon Hill Quarry	Marine Permian	[NZ 382 553]
1962	Hylton Castle Cutting	Marine Permian	[NZ 358 589]
1944	Marsden Bay	Coastal Geomorphology of England	[NZ 400 650]
2174	Middridge Quarry	Permian - Triassic Reptilia	[NZ 252 252]
302	Middridge Quarry	Palaeozoic Palaeobotany	[NZ 252 252]
2986	Raisby Quarries	Marine Permian	[NZ 346 354]
1976	Seaham	Marine Permian	[NZ 430 499]
2015	Shippersea Bay, Easington	Quaternary of North-East England	[NZ 443 453]
3019	Stony Cut, Cold Hesledon	Marine Permian	[NZ 417 472]

Sites of Special Scientific Interest for which site details and management plans are held by Natural England

Each may contain more than one GCR site

Claxheugh Rock and Ford Limestone Quarry

Crime Rigg and Sherburn Quarries

Dawson's Plantation Quarry

Fulwell and Carley Hill Quarries

Gilleylaw Quarry

Hawthorn Quarry

High Moorsley

Humbledon Hill Quarry

Hylton Castle Cutting

Middridge Quarry

Raisby Hill Quarry

Seaham Harbour

Stony Cut, Cold Hesledon (ED) Durham

Trimdon Grange Quarry

Trow Point to Whitburn Steel

Tunstall Hills and Ryhope Cutting

Wear River Bank

Durham County geology sites

SITE NAME	SITE TYPE
Beacon Hill	Exposure/railway cutting
Bishop Middleham Quarry	Quarry
Castle Eden Dene	Exposures
Chilton Quarry	Abandoned quarry
Dene Holme	Exposure
Dropswell Farm Feature Deposit	Tufa mound
Easington Raised Beach	Exposure
Ferryhill Gap	Geomorphological
Hesleden Dene	Exposure
Mlddridge Railway Cutting	Cutting
Old Town Quarry	Abandoned quarry
Old Quarrington Quarry	Abandoned quarry
Raisby Rail Cutting	Old railway cutting
Rough Furze Quarry	Disused dolomite quarry
Sheraton Kames	geomorphological
Shotton Valley East Side	Surface Build up
Thornley-Kelloe Meltwater Channels	Geomorphological
Thrislington Quarry	Active Quarry
Townfield Quarry, Easington	Disused Quarry
Easington Colliery Underground Tunnel	Disused tunnel;

RIGS

Houghton Hill, Cut and Scarp	[NZ 342 504], [NZ 343 504], [NZ 343 504]	<p>The RIGS designation includes areas adjoining the SNCI site to the north, consisting of two thin strips on each side of the A690. This area cuts through the Permian Escarpment and displays interesting Stratigraphy, Lithology and Sedimentology.</p> <p>The area contains a recently discovered geologi-cal tufa dome which represents the best example of such a structure within the area. The tufa is a calcified dome consisting of various materials which is growing from the North Dock harbour wall as a result of an unknown water source. The feature is created by calcified water in the same way that stalactites and stalagmites are formed.</p>
North Dock Tufa	[NZ 407 585]	

Roker Cliffs And Parson's Rocks	[NZ 408 597], [NZ 408 592], [NZ 408 599]	<p>This rocky shore is considered to be of great geological interest with its Magnesian Limestone cliffs and "Cannonball Limestone". The site is also of value to wading birds for feeding and roosting. The RIGS boundary extends approximately 0.3 km further south than the SNCI and includes the cliffs at the eastern entrance of Roker Park.</p> <p>The site is an area of sea cliffs with a wave cut platform that is largely obscured by coastal sand and extensive deposits of cobble and boulder. The cliffs exhibit several erosional features of interest as well as four different geological and geomorphological rock types.</p>
Ryhope Beach	[NZ 416 542], [NZ 421 519]	
Whelley Hill Quarry	[NZ 449 340]	<p>Quarry face exposure of Magnesian limestone</p> <p>Deep gorge environment revealing exposures of Magnesian limestone. The gorge forms steep sides consisting of face of Magnesian limestone in a fluvial environment. Glacial erratics can be found in the stream bed.</p>
Crimdon Dene	[NZ 471 371]	
Naisberry Quarry	[NZ 477 333]	<p>Old quarry revealing various exposures of Magnesian limestone</p> <p>Wave washed platform of Magnesian limestone. The exposure reveals examples of stack and pillar coastal features.</p>
Hartlepool Headland	[NZ 524 344]	

This list of RIGS is based on information provided at the time of the study — it is possible that other sites may have been proposed as RIGS.

[References](#)