

LIST OF APPROVED COUNTY GEOLOGY SITES (RIGS), Nov. 2010



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NB. Most sites are privately owned. The County Geology Site (RIGS) designation does not confer any rights of access.

SITE NAME	NO.	GRID REF.	SUMMARY OF INTEREST
CARADON (Area East 2)			
Redmoor Mine	CN1	SX 356711	Underground workings and surface spoils.
Lantic Bay	CN2	SX 146507	Sedimentary structures & folding in Meadfoot Group deposits.
Harrowbarrow Mine	CN3	SX 401701	Underground lead/silver workings
Stowe's Section, Wheal Phoenix	CN4	SX 262722	Surface spoils & underground workings.
The Cheesewring	CN5	SX 257724	Granite Tor & quarry exhibiting mineral veins.
Withnoe	CN6	SX 404517	Circular rhyolite intrusion exhibiting vertical flow banding & cut by inclined felsite dykes.
Vinegar Hill	CN7	SX 397642	Road cuttings exhibiting folded Lower Carboniferous strata, thrust over Upper Devonian rocks.
Hobb's Hill	CN8	SX 185694	Tourmalinised elvan.
Trebrown	CN9	SX 302601	The only inland exposure of the Portwrinkle Fault. Evidence of movement is seen in small scale structures.
Portnadler Bay	CN10	SX 243515	An exposure of the Portnadler Fault - a dextral wrench fault which divides the rocks of the Looe area into two zones
Crowstone Cliff	CN11	SX 390522	Cliff with Quaternary head & raised beach deposits of possible Pleistocene age, indicating a previous fall in sea level
St Germans Quay	CN12	SX 363574	Exposure of Middle Devonian Jennycliff Slate Formation - grey slates with sporadic limestone beds and some tuff.
Sandheap Point	CN13	SX 163512	Deformed sun-cracks in the Dartmouth Slates.
Lowhill Quarry & Forder Quarries	CN14	SX 415578	Disused quarries in hornblende dolerite, showing its relationship with the Wearde Sandstone Member (exposed at the entrance of Lowhill Quarry).
Wearde Quay	CN15	SX 424 577	Exposure showing volcanic rocks adjacent to an exposure of the Wearde Sandstone Formation.
Wearde Area	CN16	SX 417 572	Exposure of the Wearde Sandstone Member yielding abundant ostracods. Contact with adjacent igneous intrusion can be seen.
Cawsand Bay	CN17	SX 449513	A multi-phased dyke intrusion and the BGS reference section of the Staddon Grits.
Seaton Beach	CN18	SX 301543	Exposure of lacustrine facies of the Lower Devonian Dartmouth Group.
Golitha Falls	CN19	SX 224687	Fluvial processes site on the River Fowey. Complex waterfall and rapids section with gorge. Exhibits the granite/slate contact.
CARRICK (Area Mid 1)			
Tubb's Mill Quarry	CK1	SW 962432	Greenstones with a geochemistry indicative of a rift origin.
Carne Quarries	CK2	SW 913381	Ordovician quartzite olistoliths in Upper Devonian mudstones.
Caragloose Point	CK3	SW 947399	Intrusive granitoid sheets in the Upper Devonian Roseland Breccia Formation
Jacka Point	CK4	SW 939393	Upper Devonian polymict conglomerates in Roseland Breccia Formation.
Nansough Quarry	CK5	SW 875510	Exposures of Turbidites of the Treworgan Sandstone Member.
Wheal Jane East	CK6	SW 786433	Underground workings on an eastward extension of the "B lode" with an extensive exposure of the elvan hangingwall.
Lambriggan Mine	CK7	SW 760511	An unique example of a mine ore pile left standing at surface. One of very few sites of its kind in Cornwall.
KERRIER (Area West 2)			
Wheal Basset	K1	SW 690398	Mine spoils.
Wheal Uny	K2	SW 695410	Only known access to the Great Flat Lode.
Fishing Cove	K3	SW 599428	Exposures of a 60m thick olistostrome within the Porthtowan Formation.

SITE NAME	NO.	GRID REF.	SUMMARY OF INTEREST
KERRIER (continued)			
Carn Brea	K4	SW 684407	Exposures of megacrystic biotite-muscovite granite.
Porthcadjack Cove	K5	SW 641447	Exposures of contractional fault systems & The Great Cross-Course.
Great Wheal Fortune	K6	SW 626288	Mineralisation in the Mylor metasediments.
The Hutches	K7	SW 791286	Uplifted wave-cut platform & raised beach deposits.
Parson's Beach	K8	SW 788272	Several outcrops of a lamprophyre dyke.
Crousa Common	K9	SW 771198	A former rab pit within the Tertiary Crousa Gravels.
Wheal Gorland	K10	SW 731428	Sim's Shaft & Davey's Footway, accessing lodes.
Wheal Johnny	K11	SW 627412	Mine dumps. Good educational site.
Praa Sands	K12	SW573281	A composite raised beach and Head sequence overlain by Holocene peat and coastal dunes.
Kerriack Cove	K13	SW678470	Mineralisation in Devonian sandstones.
Beacon Hill	K14	SW782337	Cutting with varied granites, structural foliation, jointing, shear zones, variable weathering and kaolinisation. Unsuitable for visits.
Countybridge Quarry	K15	SW 722220	Serpentinite quarry.
West Lizard Cliffs	K17	SW 670160	10Km cliff section through serpentinite and hornblende schist, showing cliff topography, landslips, caves, stacks & islands.
Wheal Rose	K18	SW 634249	Lead 'stringer' vein running across beach and underground workings.
Tye Rocks	K19	SW 634249	Lead mineralisation exposed in cliff and on beach below.
Lowland Point to Trevalsoe	K20	SW 797195	Coastal gabbroic tors, head, dated loess, gabbro blocks & clutter, illustrating Late Devonian periglacial processes.
Portreath	K21	SW 655453	Cliffs, beach and harbour wall exhibiting a variety of rock types and geological processes. Submerged forest & past mining
Enys Head	K22	SW 728149	Veinstones within the serpentinite and altered basic dykes..
Downas Cove to Pedn Boar	K23	SW 766165	Unique primary features preserved in peridotite of upper mantle derivation. Also examples of early copper mining.
Trewavas Mine	K24	SW 598265	Spoils with sulphide mineralisation.
Maindale	K25	SW 784199	Best remaining site to observe numerous gabbroic blocks (crusairs), of problematic origin, littering the landscape..
Halzephron Cliffs	K26	SW 656216	Coastal erosion giving rise to cracking and displacement in the abandoned highway and on the cliff face.
Goongillings	K27	SW 733280	Former iron workings, trial pits and open cast works, following lodes up 'head' covered valley slope.
Nelly's Cove	K28	SW 798235	Dip section of head overlying raised beach and shore platform, figured by De La Beche (1839) and Flett & Hill (1912).
Kennack Sands	K29	SW 735165	Extensive subcrop of Holocene clays beneath the beach.
Durgan	K30	SW 773273	Excellent example of salt weathering known to have developed since 1876.
Poldark Mine	K31	SW 682315	Old mine workings representing the roots of a lode system and the base of the tin zone.
NORTH CORNWALL (Area East I)			
Stepper Point	NC1	SW 908780	Dolerite sill intruded into Upper Devonian slates, showing later deformation.
Underwood	NC2	SX 302872	Exposure of the Stourcombe Beds.
Port Quin	NC3	SW 970806	Devonian slates some fossils and vein mineralisation.
Penfoot Quarry	NC4	SX 301832	Exposure of the Yeolmbridge Beds.
Oldwit Lane	NC5	SX 318819	Road cutting exhibiting Upper Devonian fauna.
Landlake Quarries	NC6	SX 328823	Old limestone quarries.
Kit Hill	NC7	SX 376713	Mine spoils.
South-West Constantine Bay	NC8	SX 855745	Mid-Devonian shales with ammonoids.

SITE NAME	NO.	GRID REF.	SUMMARY OF INTEREST
NORTH CORNWALL continued			
Merope Islands	NC9	SW 894769 – SW 897774	Fossiliferous Upper Devonian slates with mineralization and structures. The site also exhibits a suite of coastal geomorphological features.
Port Arthur	NC10	SW 922747	Faulted, fossiliferous Devonian slate/tuff succession.
Gilson's Cove Mine	NC11	SW 967804	Mine spoils.
Cant Hill	NC12	SW 951742	Middle Devonian slates with shallow marine fauna.
Upton Coast	NC13	SS 190040	Upper Carboniferous Bude Formation sediments and structures, Quaternary at Widemouth
Tremore Quarry West	NC14	SX 010649	Quarry in Tremore elvan.
Lemail	NC15	SX 022731	Lamprophyre dyke.
Tregardock	NC16	SX 041840	Late variscan structures, mineralisation and major slips.
Lanterdan	NC18	SX 051870	Disused quarry in Upper Devonian, Upper Delabole Slate. Quarrying methods of interest.
Flat Marsh Cutting	NC19	SX 163741	Artificial exposure of porphyritic granite with variable kaolinisation, overlain by a thin regolith.
Shallow Water Hill Cutting	NC20	SX 163741	Granite cutting showing abundant kaolinisation features & variable weathering. Exposure a mix of sub-vertical faces & regolith.
South Petherwin	NC21	SX 313823	Exposure of basal Lower Carboniferous, West Petherwin Conglomerate.
Tremore Quarry East	NC22	SX 011648	Former elvan quarry, primarily of interest for exposures of calc-flinta.
Duckpool Valley	NC23	SS 215118	Suite of fluvial geomorphological features, including meanders & ox-bow lakes, in the lower reaches of the Coombe Valley
Trebarwith Stream	NC24	SX 048 864	Site exhibiting erosion by a rejuvenated, downcutting river. The processes of corrasion (giving rise to potholes), corrosion, attrition and hydraulic action can be observed.
Valency Valley	NC25	SX 110909	Active fluvial system with a suite of features and contemporary flood dynamics.
Rocky Valley	NC26	SX 073895	Deeply incised hanging river valley with associated fluvial features.
Harlyn Beachrock	NC27	SW 877754 – SW872758	Stratified beachrock exposed in the upper intertidal zone on Harlyn beach. Active and relict tufa cascades in Onjohn Cove.
Bound's Cliff to Barrett's Zawn	NC28	SX 019812 – SX 029823	Rare forms of mineralization and coastal geomorphology illustrating erosion processes.
PENWITH (Area West I)			
Gryll's Bunny	P1	SW 364335	Opencast & underground tin workings.
Venton Cove	P2	SW 527301	Pneumatolytic breccia intrusion.
Wheal Cock	P3	SW 364340	Mine spoil.
Wheal Hazard	P4	SW 363334	Mine workings exhibiting granite contact.
Black Cliff	P5	SW 553387	Sandstone dominated turbidites in the Porthtowan Formation.
Great and Little Hogus	P6	SW 512306	Volcaniclastic debris flows within the Mylor Slate Formation.
Bog Inn	P7	SW 393319	Large depression sculpted by glacial/periglacial action.
Wheal Drea	P8	SW 365322	Large mine spoil.
Wheal Carpenter	P9	SW 584353	Mine spoils.
Wicca Pool	P10	SW463398	Granite veining in slate, first described by Henry de la Beche in 1839
Geevor Mine Ore Stockpile	P11	SW 373346	Recently constructed "finger-dump" of original Geevor ore.
New Mexico Shaft, Geevor	P12	SW 368344	18 th Century mine workings exhibiting fissure veins, hand-worked stopes and an exposure of the granite/killas contact.

SITE NAME	NO.	GRID REF.	SUMMARY OF INTEREST
PENWITH continued			
Wheal Edward	PI3	SW361327	Killas and hornfels mining waste.
Croft Gothal	PI4	SW 569309	Mine dumps.
Pendeen Cliff to Kenidjack	PI5	SW 379356-SW 354323	A stretch of coastal cliffs characterised by frequent deep, narrow clefts, locally called zawns. These are eroded along fault planes and hydrothermal veins principally in hornfelsed Mylor Slates.
RESTORMEL (Area Mid 2)			
Duporth	R1	SX 036512	An altered picrite intrusion .
Black Head-Ropehaven	R2	SX 039484	Fossiliferous slates and a quartz-dabase intrusion.
Wheal Remfry	R3	SW 924575	Sheeted vein system with tourmaline hydrothermal breccia, felsitic elvan & contact with the aureole rocks.
Goonbarrow	R4	SX 007583	Active china clay pit exhibiting intrusive relationships & hydrothermal features.
Helman Tor	R5	SX 062615	Megacrystic granite tor.
Whipsiderry	R6	SW 832635	Conformable transition between Dartmouth & Meadfoot Groups.
The Gannel Quarry	R7	SW 795612	A mica trap intrusion.
Carlyon Bay East	R8	SX 067522	Lower Devonian slates containing volcanoclastic material. Also a dolerite sill, a recumbent fold & a raised beach.
Fistral Bay	R9	SW 799625	Cemented raised beach exhibiting karstic pipes.
Gamas Point	R10	SX 023472	Sediments providing important stratigraphic information.
Watergate Bay	R11	SW 841651	Lower Devonian mudstones.
Luxulyan Valley	R12	SX 056571	Granite core-stones formed by deep Tertiary weathering.
Fowey Estuary	R13	SX 130540	An example of a drowned river valley, showing the characteristic features of a ria.
Newgate Cutting	R14	SX 032626	Exposure of granite contacts and quartz-mica rock, hornfels, spotted slates & haematisation in a road cutting.
Tresayes	R15	SW 996588	Old workings in the metamorphic aureole of the St Austell granite. Originally worked for glass manufacture and later for glaze for pottery and parian ware.
Carlyon Bay West	R16	SX 055520	Fossiliferous L. Devonian slates with volcanoclastic material, cut by mineral veins. A raised beach caps Crinnis Island.
Carclaze Old Tin Pit	R17	SX 024549	Kaolinised and mineralised granite in a china clay pit that played a part in the early development of geological science
South Fistral	R18	SW SW795616 – SW798618	Wave cut platform in Meadfoot Group Slates overlain by Godrevy Formation raised beach unit with erratics and sandrock unit containing palaeokarst piping and trace fossils.
Spit Point	R19	SX 073524	Quaternary section with paleo-cliff, raised shore platforms, raised beaches, head and loess, with well developed periglacial structures and incipient beach dunes.
ISLES OF SCILLY			
The Gugh	SCI	SV 887084	A spectacular tombolino, a coastal depositional feature, linking the islands of Gugh and St Agnes.

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