

TAYSIDE GEODIVERSITY



Schiehallion summit: quartzite strikes E-W, vertical, youngs to S.



Wester Bleaton quarry: formerly worked for limestone (shown here), now a source of dolerite for road metal.



Glen Turret hummocky moraines



Glacial erratic, Straloch: granite from Ben Vuirich.

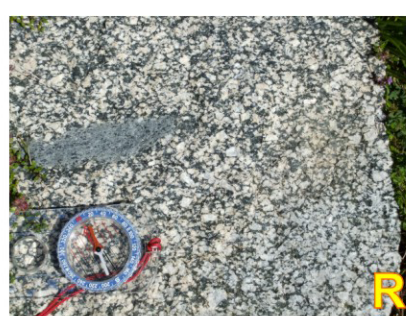


At Campsie Linn a huge dolerite dyke crosses the River Tay.



Tayside spans the Highland Boundary Fault, which separates the very old, deformed and metamorphosed Dalradian rocks of the Highlands from the gently folded Old Red Sandstone of the Midland Valley. Ice sheets eroded the mountains and left sheets of debris in the valleys. Great pioneers of geology such as James Hutton and Charles Lyell were inspired here. This poster shows some of our geological highlights.

Tayside Geodiversity is a small group of professional and amateur geoscientists who are interested in making our geology and landscape better known. We aim to produce leaflets and information boards about local geology and geomorphology sites and to protect and improve these sites. If you would like to join us, visit www.taysidegeo.org.uk.

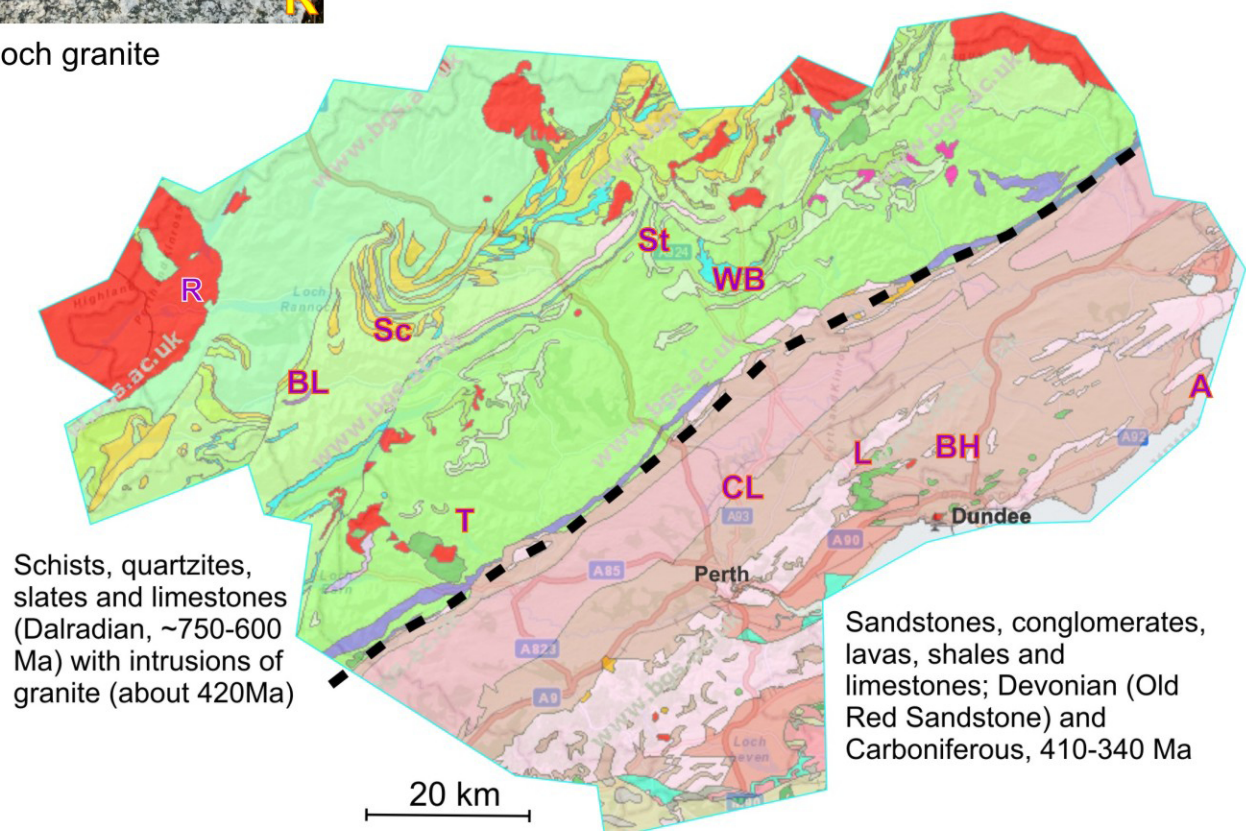


Rannoch granite



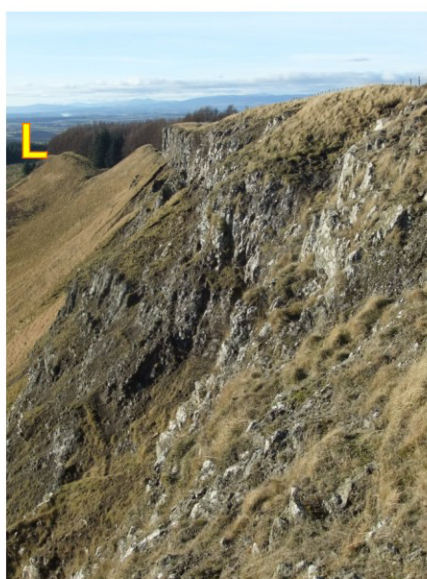
Folded Ben Lui Schist

Geological map of Tayside. The Highland Boundary Fault is shown by the black dashed line. © British Geological Survey.



Schists, quartzites, slates and limestones (Dalradian, ~750-600 Ma) with intrusions of granite (about 420Ma)

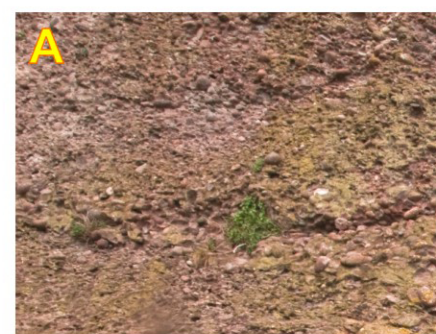
Sandstones, conglomerates, lavas, shales and limestones; Devonian (Old Red Sandstone) and Carboniferous, 410-340 Ma



Lundie Craigs: cliffs formed by lava flows



Balkello Hill: sandstone quarry (Dundee Flagstone).



Auchmithie conglomerate

Charles Lyell's cross section of Strathmore (1820's)

