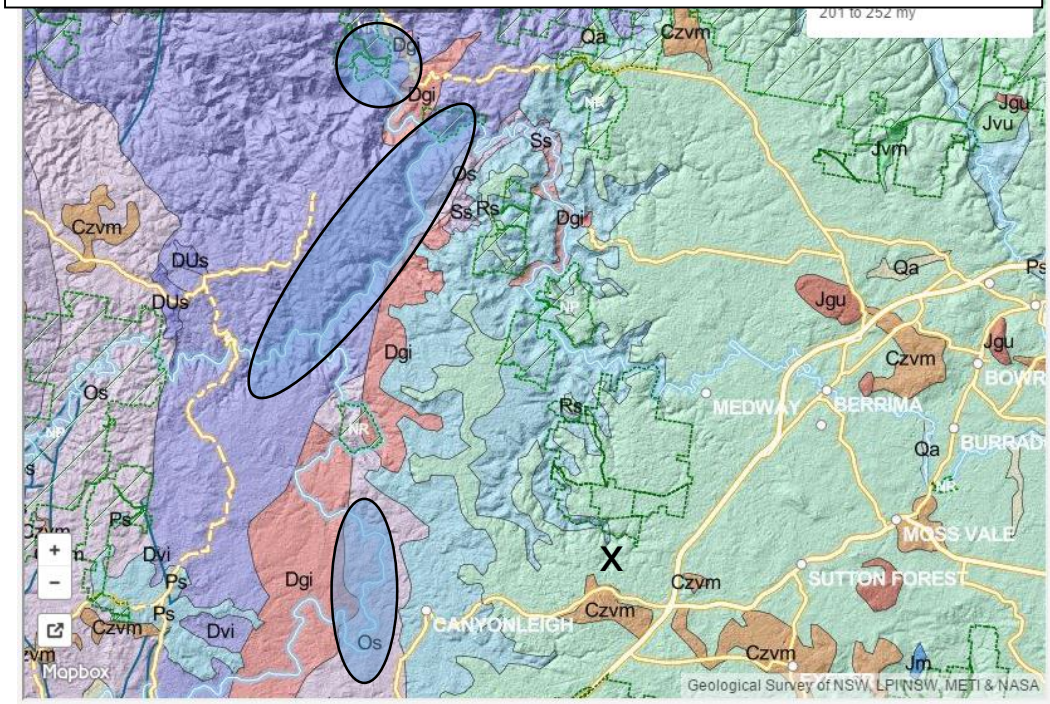
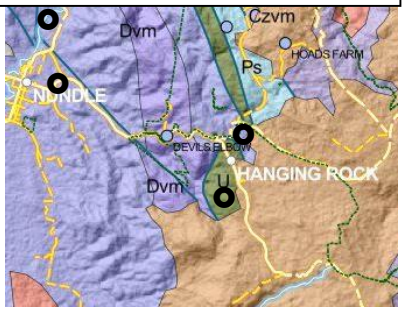
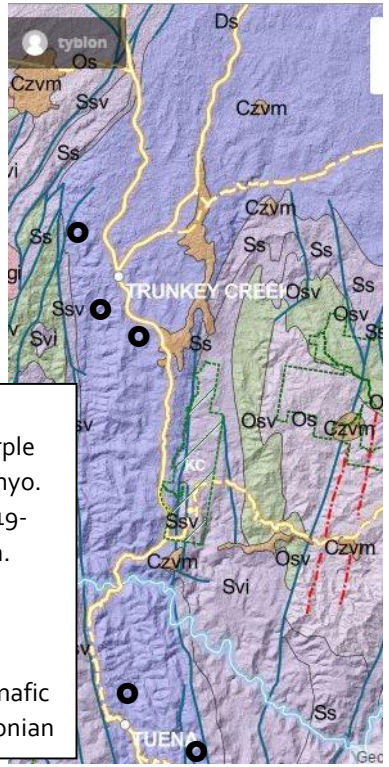
GEOLOGY/GOLD-BEARING OVERLAY – © D.COPPIN ("RED GWEILO") & via http://www.resourcesandenergy.nsw.gov.au/miners-and-explorers/geoscience-information/products-and-data/maps/statewide-maps

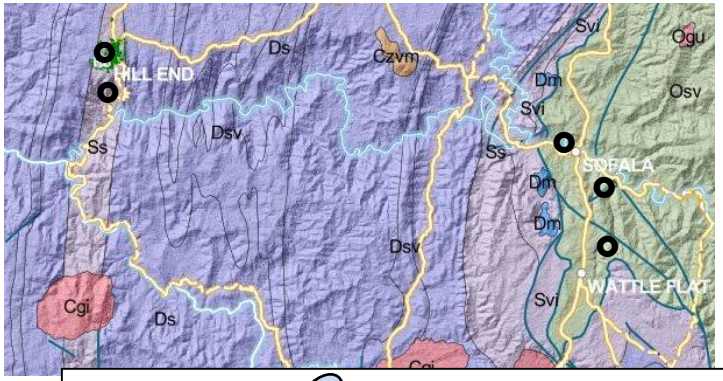
DS = Devonian Sedimentary 359 to 419m yrs old. Variable sedimentary rocks including conglomerate, sandstone, siltstone and mudstone. Some intercalated volcaniclastic rocks.
PS = Permian sedimentary rocks, 252 to 299myo. Sandstone, siltstone and mudstone.
Light Green = Triassic sedimentary rocks, 201-252 myo. Quartz-lithic to quartz-rich … sandstone w conglomerate, mudstone and siltstone via high energy braided rivers.
Dm = Devonian mafic volcanics - 359 to 419myo. Basalt lava flows.
OSV/O = Ordovician sedimentary & volcanic rocks & O = Ordovician: 443 to 491m yrs old. Dominantly interbedded quartz-rich sandstone, siltstone and mudstone.

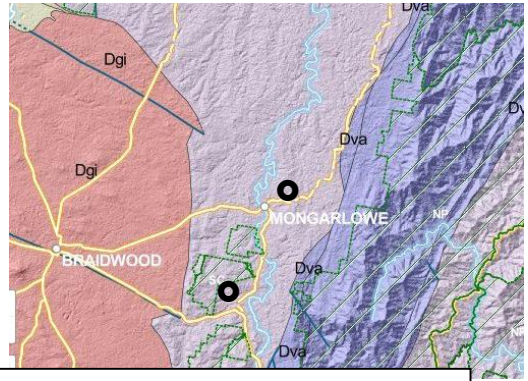


= Gold Mine/Workings **X** = accomm'dat'n
Dgi = Devonian I-type granites. 359 – 419myo. Granites are interpreted to form by melting of igneous source rocks. Common minerals are quartz, feldspar, and biotite.
SS = Silurian sedimentary rocks 419 to 443 m Includes sedimentary like sandstone and siltstone that have been metamorphosed to slate and quartzite. Also volcanic rocks such as dacite and airfall tuffs.
U = Palaeozoic ultramafic rocks 252-541m years old. Rich in magnesium and iron minerals such as pyroxene. Commonly altered by low temperature fluids to produce serpentinite.
DUs = Late Devonian sedimentary rocks 359 - 384 myo. Includes quartz-rich sandstone and pebbly conglomerate units.









PATTERNS:
Trunkey Gn/Tuena + Nundle = Purple Devonian Sedimentary 359-419myo.
Hill End = Silurian sedmy rocks 419-443myo surrounded by Devonian.
Sofala/Wattle Flat/Mongarlowe = Ordovician sed & volcanic rocks. 443-491myo.
Hanging Rock = Palaeozoic ultramafic rock 252-541myo bordering Devonian

Conclusion: target esp. purple Devonian Volcanic. Likely best target upper Wollondilly River.