

Hayes Ck Geology Legend



Qa
Flood plain alluvium; dark soils and clay; prone to inundation during the wet season; being incised by the present erosional regime to form stream terraces; likely to mask bedrock radiometric responses.



K
Petrel Formation; siltstone, sandstone and conglomerate.



Pts
Stray Creek Sandstone; siltstone and sandstone; non magnetic; weak radiometric response.



Ptd
Depot Creek Sandstone; medium to coarse quartz sandstone; non magnetic; no radiometric response.



Pgm
McMinns Bluff Granite; pink and green porphyritic adamellite; weakly magnetic; strong radiometric responses.



Pdz_u
Zamu dolerite upper sill; meta dolerite and amphibolite within the Gerowie Tuff; weakly to moderately magnetic; no radiometric response.



Pdz_m
Zamu dolerite middle sill; meta dolerite and amphibolite within the middle Koolpin Formation; non magnetic; no radiometric response.



Pdz_l
Zamu dolerite lower sill; meta dolerite and amphibolite within the lower Koolpin Formation; weakly to moderately magnetic; no radiometric response.



Pfb_u
Burrell Creek Formation upper unit; metagreywacke and phyllite; generally a recessive unit; moderately to strongly magnetic; characteristically low radiometric response.



Pfb_l
Burrell Creek Formation lower unit; metagreywacke and phyllite; plateau forming unit or forms low rises at the base of hills; weakly magnetic; low but variable radiometric response.



Pso_?
Mount Bonnie Formation undifferentiated; metasiltstone & shale, tuff, carbonaceous shale and thin banded ironstones; weakly magnetic with discrete linear magnetic anomalies due to ironstones; moderate radiometric response, stronger Th in basal units.



Pso_l
Mount Bonnie Formation lower unit; metasiltstone & shale; weakly magnetic; generally strong radiometric (high Th) response.



Psg
Gerowie Tuff; cherty tuff, metasiltstone & shale, carbonaceous shale; weakly magnetic; moderate to strong radiometric response.



Psk_u
Koolpin Formation_upper unit; carbonaceous phyllite and ironstone; strongly magnetic (ironstones?); strong uranium radiometric response.



Psk_m
Koolpin Formation_middle unit; carbonaceous phyllite; weakly magnetic; weak radiometric response.



Psk_l
Koolpin Formation_lower unit; carbonaceous phyllite and ironstone; strongly magnetic (ironstones?); weak radiometric response.