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Precambrian basement is not exposed but was a source area for detritus during Cambrian sedimentation.

Post Ordovician age lithologies outcrop in the NE of licence in the Weegen area. These include basal Permian sediments, Jurassic dolerite and Tertiary basalt, none are of consequence in the work area and won't be discussed further. For greater detail see Sheffield 1:63360.

Several phases of sampling have been carried out in EL 49/82:

- . Amax No. A3373-94 -80# stream sediments
- . Amax No. A6435-39 A6471-91 rock
- . Poltock No. A6108-6164 rock

All assaying has been done by Analabs. see Appendix 1 for sample descriptions and analytical data.

Eleven samples were submitted by Amax to C.M.S. for petrological descriptions, nine from the intrusive extrusive complex and two of volcaniclastics (see Appendix 2).