

## A.8.5

Standing Water Levels

The standing water levels of all holes drilled during the October-December 1981 and March-April 1982 exploration programmes are presented in Table 14. Standing water levels of holes drilled by AAR Limited in March-April 1981 were presented in Osborne, 1981.

During the October-December 1981 exploration programme the standing water level of several holes was irregularly monitored. These results are shown in Table 15. A positive correlation can not be made between the standing water level trends and the trend of decreasing rainfall over the period October through to December.

Knights and Matthews, (1976) discuss the relationship between rainfall and piezometric pressures. They state that the piezometric pressures in shallow, possibly unconfined aquifers respond quickly to rainfall, and that lag times between rainfall and rising piezometric pressure in deep confined aquifers can be up to 8 to 12 weeks. Therefore, the nature of the aquifer, and period of rainfall must be determined before the results of Table 15 can be used.