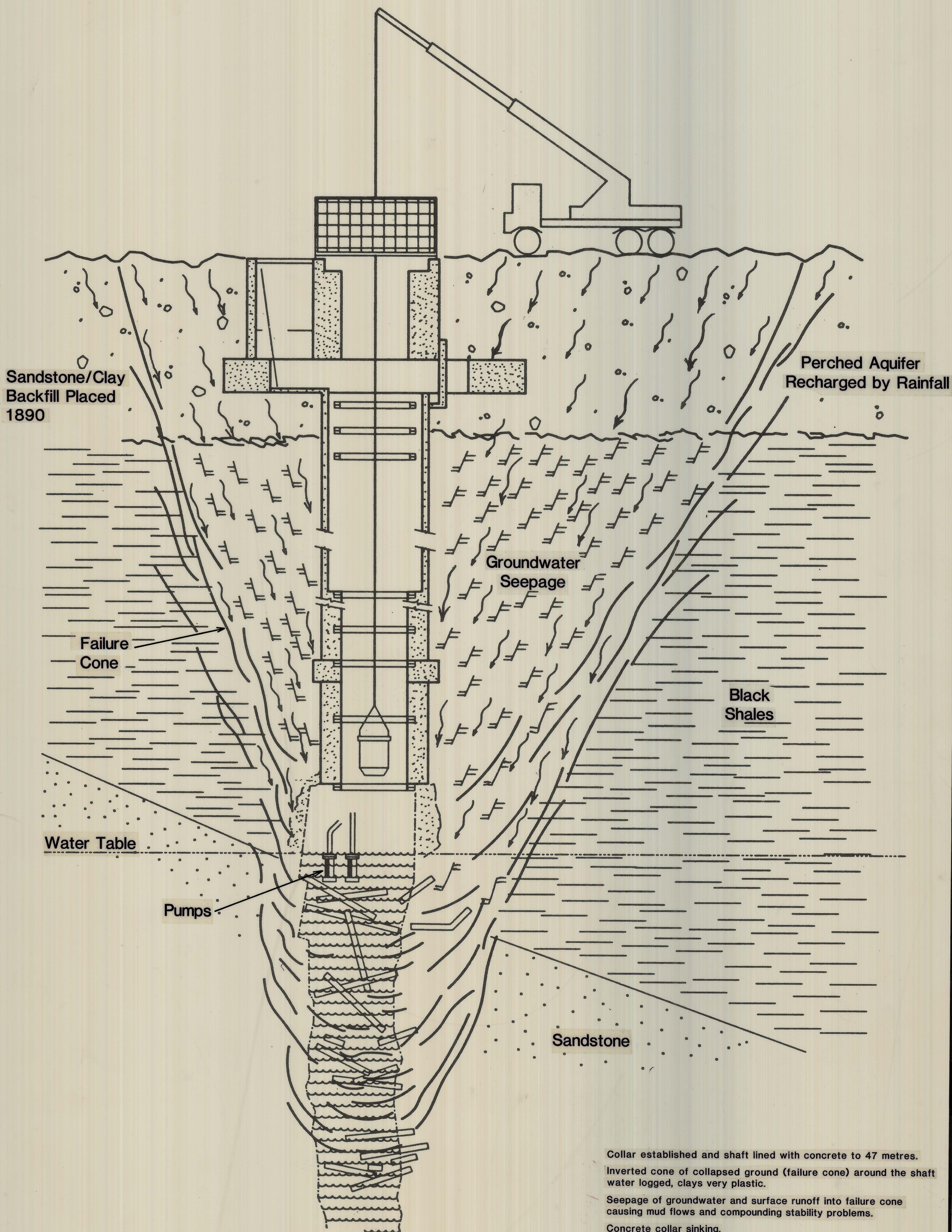


SHAFT CONDITIONS

JUNE 1987



Collar established and shaft lined with concrete to 47 metres.
 Inverted cone of collapsed ground (failure cone) around the shaft
 water logged, clays very plastic.
 Seepage of groundwater and surface runoff into failure cone
 causing mud flows and compounding stability problems.
 Concrete collar sinking.
 Water pumps at 52 metres above shaft blockage interfere with
 clearing work.
 Blockage cleared to 52 metres, steel sets and concrete to 48
 metres.
 Water table lowered to 52 metres.