

MEMORANDUM

TO: Greg Lewis, James Bearzi, Stu Dinwiddie, Stephanie Kruse, Steve Pullen

FROM: Dave Cobrain

DATE: August 6, 1999

SUBJECT: Triassic Park – August 1999 Subsurface Explorations Field Report

August 4, 1999:

Received a call from Jim Bonner at 4:00 PM regarding the first borehole (PB-39) drilled to a depth of approximately 120 feet below the ground surface (BGS) on August 3. The boring was advanced approximately 100 feet west of a gravel pit containing surface water. The boring had filled with water to a depth of approximately 15 BGS. Based on Jim Bonner's description, the water appeared to be entering the borehole at the base of the surface alluvium that is present to a depth of approximately 15 feet BGS. Water was not observed in any of the other borings drilled at the proposed facility location.

I instructed Jim Bonner to drill a shallow boring into the claystone underlying the surface alluvium adjacent to boring PB-39 to confirm the source of the water. He said that they would advance a boring to a depth of 30 feet adjacent to boring PB-39 and also would drill a shallow boring adjacent to the proposed boring directly south of PB-39 if water also was observed at that location. I asked that the borings in the vicinity of the gravel pit be left open until my arrival the following day and that they continue to measure water levels in boring PB-39 and to check the other borings for the presence of water.