

SAND DUNES MIGRATION OVER QARA TABA ARCHITECTURE SITE AND METHODS OF STABILIZATION IN SOUTHERN IRAQ

Hasan K. Jasim^a, Thamer A. Al-Shammery^a

^aDepartment of Geology, College of Science, University of Baghdad, IRAQ

(hassan1500000@yahoo.com)

ABSTRACT

Qara Taba Architecture site represent one of the archeological site that listed in the ministry of tourism and antiquities. The site located in Missan Governorate in the Chailat sand dunes field, in the Northern part of the Chailat field. The north part is very active dune field which causes the sands migrate to the Qara Taba Site. One of the methods used to protect this site is to cover the dunes by soil, however this treatment was proven to be a failure, as a dune continue to act and the area was became a bad land. The suggested solution in this research is to surrounding the site by many belts of vegetation that stabilize the active sand dunes and leveling the low ground surrounding the site and monitoring the activity of the sand dunes movement.

Keywords: Iraq, sand dune, architecture site, stabilization method.