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**EROSION AND SEDIMENTATION PROCESSES IN THE SHATT
AL-ARAB RIVER, SOUTH OF IRAQ**

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Abstract:

Bathymetric survey was carried out during June- July/ 1998 on the southern part of Shatt Al-Arab River from Maqil to the south of Fao. Field observations and field data of other studies were applied to prove the erosion and sedimentation processes in this part. The higher rate of sedimentation is downstream the confluence of Shatt Al-Arab and Karun Rivers especially the banks. Also, the mouth of Shatt Al-Arab River manifests a high rate of sedimentation. The erosion process localized in meanders and any other site of high water velocity. The grand irrigation channels induce an erosional marks on the side slope of Shatt Al-Arab River, especially near the mouth. The main axis of Shatt Al-Arab River shows the effect of erosion and sedimentation processes together, where few localities have depths higher than that fixed on the charts and vice versa.