

Fossil Oases, the ancient swamps during the Holocene in the southern part of Jordan

Kaoru Kashima[1]

[1] Earth and Planetary Sci., Kyushu Univ.

The distinct desertification has occurred at southern Jordan and Egypt for these decades. The field surveys were done at the both areas in 2006 and 2007 to presume the changes of water levels at lakes and marshes according to the climatic changes. We found the Fossil Oases, the ancient swamps, in the desert area in southern Jordan. They were dried now, however the diatom fossils taken from the swamp sediments presumed the high water stands in ancient periods. The archaeological sites distributed along the Fossil Oases presumed that the Fossil Oases filled water at the middle of Neolithic periods, about 8500 years BP.