

## The Effect of the Irrigation on the Soil<sup>1</sup>

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### Abstract

Although the benefit of irrigation agriculture in increasing the production of the food in the world. But if there is incorrect management of irrigation this will cause problem such as salinity and rising the level of the ground water. The North Jazira Irrigation Project is on of the important project in Iraq. Before the operation of the project its soil was(ordinary soil) free of salt. In this study we measured electric conductivity of the saturated soil extract of selected sites in the project. Also the concentrations of oxides Si, Al, Fe, Ca, Mg and S. This study showed that 60% of the area of the project became saline also the concentrations of Si, Al, Fe were increased. The concentrations of some other elements were decreased.

**Keywords:** Irrigated Soil - Salts in Soil - Effect of Irrigation - North Jazera Irrigation Project.

<sup>1</sup> For the paper in Arabic see pages (11-25 ).

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