



## Jezira Tertiary Limestone Aquifer System

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|---|---|
| ● Selected city, town                       | ■ Eocene; Oligocene outcrops of the aquifer system    |
| — International boundary                    | ■ Pre-Eocene Formation outcrops                       |
| ~ River                                     | ■ Approximate subsurface extent of the aquifer system |
| ~ Intermittent river, wadi                  | ■ Zone of agricultural development (selection)        |
| — Canal, irrigation tunnel                  | A-A' Hydrogeological cross-section                    |
| ■ Spring                                    | — Faults  |
| ● Bore-hole                                 | ▲ Mountain  |
| ■ Freshwater lake                           |   |
| → Direction of groundwater flow             |   |
| — Groundwater quality zones:                |   |
| ○ (A) Fresh Ca-HCO <sub>3</sub> type water  | <b>Specific features:</b>                             |
| ○ (B) Brackish CaSO <sub>4</sub> type water | 1 Jebel Abdel Aziz Anticline                          |
| ○ (C) Saline NaCl-CaCl type water           | 2 Qamishli Anticline                                  |
|   | 3 Ras al Ain Anticline                                |
|   | 4 Mardin Anticline                                    |
|   | 5 South Mardin Fault Zone                             |
|   | 6 Tell Abyad Anticline                                |
|   | 7 Sinjar Anticline                                    |



**BGR** Bundesanstalt für Geowissenschaften und Rohstoffe

### Inventory of Shared Water Resources in Western Asia

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